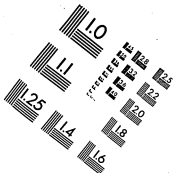
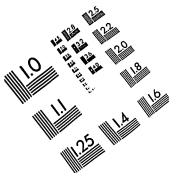




Association for
Information and Image
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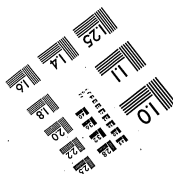
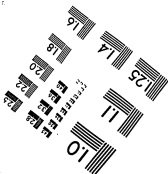
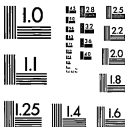
MS303-1980



Centimeter



Inches



Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART II
(1879-1886)

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University Publications of America
Frederick, Maryland
1987

Edison signature used with permission of McGraw-Edison Company.

Thomas A. Edison Papers
at
Rutgers, The State University
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18 June 1981

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START

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THOMAS A. EDISON PAPERS
A SELECTIVE MICROFILM EDITION
PART II
(1879-1886)

REEL 63

DOCUMENT FILE SERIES (DOC-23)

D-82-040 through D-82-056
("Electric Light - Foreign - United Kingdom -
Edison's Indian & Colonial Electric Light Company, Ltd."
through "Telephone - Foreign - United Kingdom")

1882. Electric Light - Foreign - United Kingdom -
Edison's Indian & Colonial Electric Light Company, Ltd. (D-82-040)

This folder contains correspondence and other documents relating to the business of Edison's Indian & Colonial Electric Light Company, Ltd., which was organized in the United Kingdom in 1882 to market the Edison electric light system in Australasia, Ceylon, India, and South Africa. Included is a prospectus issued by the company, dated June 12, 1882.

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: bills; duplicate copies of selected documents; copies of cable messages filmed in Letterbook, LM-001 (Letterbook Series).

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A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York 18 Jan 13 1884

Received at Menlo Park

to Dr. Edison

READ THE NOTICE AT THE TOP.
Lawrey thinks you should cable Gouraud that your authority negotiate Cape must be exercised in connection with Fabris negotiations colonies and not otherwise because if Fabris does not close with Gouraud it might be important have Cape put put with other colonies to some other purchaser Lowrey urges you should cable to let me know what shall I do
Saul Lucull

W.C. Calkins 117 J. & G. f 3/4



Inland to Edwin
Jan 13.

copy of cable sent Geo. Elgouwan
Jan^y 14. 1882

Which countries is your
offer for? Letter 5th recd.
Patent expenses must be
deducted from gross price
before division. Agreed
give Johnson same share
English Contract which
doubtless you approve
and include in expense

Fill
Question
Answer

Wired cables:

under contract £40,000. £5,000. if include
Tasmania, South Australia, West Aus-
tralia; I have South Australia. If no
patents exist last three ~~Colonies~~ Col-
onies purchaser satisfied rights to
apply, and Edison's goodwill. Appar-
atus to value £20,000. to be supplied
cost price America, plus 10% pay-
ment £25,000. cash: exchange
agreements 25 by six months ap-
proved, acceptance agreements
exchanged within month or
bargain off.

20 000

$$\begin{array}{r} 2/45000 \\ \hline 15000 \end{array}$$

50 000

17.

John R. Foster,
Governor of Lowrey,
Gen. Walter Sargent,
Chas. Francis Smith,
Gen. S. Hamilton,
Wm. L. Foster.

P. O. Box 1836.

Porter, Lowrey, Soren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. New York.

January 18th 1882.

My dear Edison,

Mr. Inshall will have informed you that there is a dispatch from Gouraud this morning in which he says that New South Wales, Queensland, Victoria, and New Zealand are the Colonies which he expects to get from Fabbris. Fabbris has telegraphed, or is about to telegraph back, saying: "Edison will sell these Colonies for £500,000. Expenses must be deducted before any division". He will add that all the Edison contracts require expenses to be repaid first, and that he is aware of no reason for giving Mr. Gouraud a preference over Mr. Edison in this respect. I think that you should send a cable to Gouraud saying that your authority to negotiate the Cape Colonies must be exercised in connection with the negotiations of Fabbris Colonies, and not otherwise, because if you

AW
DREXEL MORGAN & CO.
Wall Street New York.
DREXEL & CO.
Philadelphia.
DREXEL HARRIS & CO.
Paris.
7/2/82

New York, Jan. 2^d 1882

Samuel Merrill Esq,
Edison Co. L. Co
City

Dear Sir,

In shipping the Colonial Patents to day to London we found the following ones missing; Victoria #12 & N.S. Wales #12 Queensland #12 New Zealand #15.

These patents Mr. Merrill says he has de-
livered you as follows; Queensland, New
Zealand and Victoria on Nov. 28th 1881, and
N.S. Wales Sep. 7th 1881.

Will you kindly look into this matter and
advise us as soon as possible as we must
either send them forward or account for them
by tomorrow evening

Yours truly
Wm Drexel, Manager
Cottonston

arranged was
got by the
of government
I printed
to send them one

5. Westminster Chambers,
Victoria Street,

London. SW. 3 of Feb 1881.

J. A. Edison Esq

Mem. Park St. N. Y. U. S. A.

Dear Sir

I have been requested by some influential gentlemen having large interest in the Australian Colonies to obtain from you information as to the cost of lighting several towns in Australia by Electric Light. I shall therefore feel obliged by your giving me an estimate (per light) for several towns of 40000 (Forty Thousand) and 100,000 (One Hundred Thousand) inhabitants respectively. The cost must include plant & fixing embracing all expenses & as the adoption of your system will depend upon its comparative economy in working and maintenance with the present system of lighting by gas, I am instructed to request you to furnish exact information on this point & to ask you whether you would be disposed to give some substantial guarantee as to the

said cost of working & maintenance.
Please give all information necessary for
an intelligent consideration of the subject.
An early reply will oblige

Yours truly
Alfred Davis

P.S. I have to thank you for your letter
of the 18th Jan & the photograph enclosed.

✓
J. A. C. Davis
Under information about
American flying.

John Davis

232 Davis

RECEIVED
APR 3 1882

ANSWERED

1882
N^o 82/94



Town Clerk's Office.

Sydney 20 Feb 1882

Sir,

The Municipal Council of this City having had under their consideration the question of lighting the thoroughfares of Sydney by means of Electricity are desirous of obtaining such general information on the subject as will assist them in their ultimate determination on a matter which is now engaging so much public attention.

The recent remarkable improvements in the adaptation of electricity to the lighting of public streets, as well as

for

J. Alva. Editors Ed.:
Monte Park
New Jersey
United States.

For domestic purposes have
urged the Council the Council
to a serious consideration of the
advisability of substituting that
means of illumination for Gas
as now used in this place,
and as it appears that the
application of the different
inventions in other countries
is still a matter of experiment
(and uncertainty as to which
system is the most perfect and
economical, the Council have
deferred their further investigations
until they are placed in possession
of the most reliable information
on the subject.

I have therefore the honor
by direction of the Right
Worshipful the Mayor, to
inquire whether you will kindly
forward the object the Council
have

have in view, by placing
before them such particulars
of your most recent inventions
in the direction of lighting
by Electricity, as will enable
them to fully consider their
merits as a means of public
illumination, and stating the
cost of the method as compared
with gas-lighting, and such
other information as you may
consider likely to assist the
Corporation.

I have the honor to be,
Sir,

Your most obedient servant,
Wm. A. Woodcock
Town Clerk.

Australian Light

from WATERHOUSE & WINTERBOTHAM,
Solicitors.

1, NEW COURT
Waterhouse
CAREY STREET,

LINCOLNS INN, W.C.

25th Feb 1887.

Dear Sir

Australian Patents.

I enclose Power of Attorney which
has been settled by Mr. M. Deanehaw
for the assignment of these Patents.
I think that you will probably
prefer sending it out to Mr. Edison
by today's mail under a letter
from yourself.

Yours,

Your faithfully

Wm de Waterhouse

Wm. Johnson Esq;
57 Holborn Viaduct.

}
G.B. }

6, Lombard Street, &c.
London, March 16th 1882.

J. A. Edison Esq
65, Fifth Avenue, New York.

My dear Edison,

Light Patents for Tasmania South Australia
and West Australia

I send you per this mail under registered cover documents, as per list at foot, necessary for obtaining Patents in the above Countries, which I thought it would be well to have - They are drawn up on the basis of that for the Cape Colonies, for which we have already made application, and which was approved by Johnson. As however the patents for for Australia require to be properly attested, it is impossible to execute them in a similar manner to that for the Cape - I shall therefore be glad if you will kindly sign all the papers and drawings (except the Declaration for Western Australia) as marked in pencil by Mr. Handford, taking care to have your signature properly attested, and return them to me at once.

With respect to the patent for West Australia, for this Colony it is necessary to base an application upon some patent already in existence, and

(1)

accompany it with a declaration made by the bonâ fide holder of such patent - In this case we are basing the application on the Cape patent before referred to, and Mr Standford has asked his agent there to forward office copies of the Patent and declaration to Australia, & cable me as soon as it is granted - I will then cable to you the word "Cape", which you will understand to mean that the Cape patent has been duly granted, so that you will be in a position to execute the required declaration which I shall be glad if you will at once do and return to me -

Yours very truly

W. Standford

List of Papers sent per S.S. "Britannic"

1. Petition for patent for S. Australia marked A
2. Specification for ditto, with drawing, " B
3. Petition for patent for Tasmania
4. Specification " "
5. Petition " " W Australia
6. Specification " " "
7. Declaration " " "

Recd
19 May 82

6 Lombard St. Cal.

London, 19th April 1882.

Dear Edison,

The Edison Foreign Electric Light and Motive Power Company is the name under which I am conducting the negotiations for my joint unpatented Countries, and in which as you are aware only - you and Johnson are interested with me. I have given Kimfield a share in my interest to act as Managing Director. Trusting that this explanation will be satisfactory to you.

The business is difficult enough I assure you, and is perhaps rendered easier when worked in such well known names as yours and Johnson's, in connection with my own.

The only other company in which your name appears, as far as I am aware, is the Consolidated Telephone Construction & Maintenance Company?

Yours truly,
W. Johnson

New York.

Recd
15th May 82

46

6 Lombard Street, E.C.

London, 27th April, 1882.

Command

J. A. Edison Esq

104 Soerck Street

New York

Dear Sir

In your invoice of Nov 4/81 of the goods shipped per Alaska I am charged with \$72 for 2 dozen "extra Brushes" for each Dynamo & in the invoice of January 17/82 I am charged \$163.20 for 208 extra Brushes for California

Will you please inform me where these spare Brushes are to be found, as apparently in each set of 5 Cases there are only two brushes. I have not opened every case but I have had 2 sets of 5 Cases of two different marks examined and cannot find the extra brushes.

It will be a very expensive affair opening each case and as in two distinct shipments

by separate vessels the deficiency exists it is fair to assume that no "extra brushes" have been sent, and therefore it will be desirable to send them on at once.

I wish to mention that a good deal of inconvenience & expense has arisen from invoices for "Alaska" "Alaska" & "California" not giving the contents of the cases of each mark - I would recommend in future that each set of 5 Cases comprising one complete Dynamo and its appurtenances, should be invoiced somewhat as follows.

- ① Containing Field Magnets 10
- 2 --- Armature "
- 3 --- Head piece "
- and so on for 4 and 5
- 6 1 Barrel of 100 A or B Lamps as case may be

Now ① 1 Complete set as above

② 1 --- do do

I am Dear Sir,
Yours very truly
W. Brown

2 days went by
Chesatra Nov 1781

11th Nov 82
Atopia No extra
brushes

Dec 15th by
Davies & Co Express
Lor bills Jan 17
hold Davies
receipt for it.

DREXEL MORGAN & CO.
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL HARRIS & CO.
Paris.

New York May 18. 1882

J. A. Edison Esq
Menlo Park
N.J.

Dear Sir,

We received, yesterday, a cable from Col. Gouraud worded as follows:

One Company agreed for India, Australia. Capital £200000 A £100000 B. These proportions necessitated by Stock Exchange rules. Profits equally between A and B after 6% cumulative to A. Vendors receive all B and £5000 cash unconditionally. Purchase money half for India, half Australia. Good Board with Marquis Tweeddale Chairman. Will issue Co. Saturday if Waterhouse had agreement ready. Everybody objects limiting improvements clause to 5 years. No conditions exacted about new inventions but Company surely ought to have right to improvements at agreed price

or

or arbitration so long as working
original patents half capital
on these terms guaranteed before
issue. Success certain Reply
promptly.

and in accordance with your
request we cabled him in reply
last evening as follows:

We approve proposition for Company
India Australia. Edison consents
to clause about improvements
upon and during life present
patents at agreed price or arbi-
tration, provided no conditions
exactd concerning or involving
future inventions.
which please confirm.

Yours very truly,
D. M. C. G. and

Blank No. 1.

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A. B. STEWART, Secy.

NOBYN GREEN, President.

Dated Nov 4 1882 1882

Received at Manila Park Report

to Mr Edison

RECEIVED THE NOTICE AT THE TOP
We have following cable from Gouraud yestudays should read improvements agreed price on arbitration after five years tell this Company to have benefit improvements they paying cost patents Johnson also cables have seen Gourauds two cables giving terms are they satisfactory am acquainted with circumstances which are pressing coincide any minor point even though seemingly important strong board completed time opportune fourtnight have too late cables that powers and patents for india will be sent we urge acceptance and immediate reply which better send by myself in person as early as possible this afternoon together with your consent to the forwarding of powers & patents for India

Drexel Morgan & Co

1249 Pm 107 Pm

114

May 18, 82

D.M. Keo

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THOMAS T. KOCKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
3	Mr	W. E. Paine	

Received at W. H. May 19 1882.

Dated New York

To J. A. Edison - Menlo Park

Howard Cable sends Edison your three
 year impression free Electric Cable Board
 Patent. My National Day Edison's Patent
 fact they might have to pay more before finally Edison
 Company must be secured to grant Edison's Patent
 with any legal Company's otherwise be responsible
 Board, without this condition. Now Edison consider
 this and cable Johnson full discretion
 Regarding details agreement, Electric market already
 showing very good pros. We must send answer of
 today important detail comes with full
 instructions
 Dr. J. Morgan & Co.

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A. H. BREWER, Genl. Mgr.

NORVIN GREEN, President.

Dated New York 6/7/82 1882

Received at New York Cable Dept

of J. A. Edison

READ THE NOTICE AT THE TOP.

Your despatch received we
 should say quite satisfactory
 we have nothing from London
 yet

J. M. G.

W. H. W. T. E. 110 pm

Blank No. 1.

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A. R. HILGREN, Sec'y.

NORVIN GREEN, President.

Date New York 5/23 1882

Received at Waukegan Depot
to J. A. Edison

READ THE NOTICE AT THE TOP.

Waukegan cables press generally denouncing large cash payments tenders might directors who now must half proposed cash shall be taken in a fully paid and B reduced in nominal amount to fifty thousand pounds but still to have half profits after six on a this in order to make total capital not appear too large final basis a two hundred and fifty thousand B fifty thousand Edison all B twenty five thousand a twenty five thousand cash unconditional intrinsic effect change possibly on favor as a may be worth more than cash if you approve this basis following board to absolute Maquis. Smeddale sil George C. Arrington Honorable Lepore French (or French) late under secretary state Henry Schlaninger late mayor

Beuzon Company and possibly
one other besides self reply if
possible to Fabbri Trenter since
west 19th St before ten tonight
that he may cable reply
Rivport Morgan Cable seen
Dreddale and advise
acceptance

Drexel Morgan & Co.

E. P. Fabbri

29 West 19th St.

New York

Proposition acceptable
to me. I think it better
than previous one.

~~Edison~~ Edison

May 23

44.

7
May 24/82
F. Schaubert

FEDERAL SCHAUCEY,
P.O. BOX 1471.

118. South Street

RECEIVED
MAY 25 1882
NEW YORK, May 24, 1882

J. A. Edison
Menlo Park,
N. J.

Dear Sir:-

Mr. Soren (of Porter, Dorney, Soren & Stone), who is drawing up the papers for the India sale, informs me that he needs the certificates for the patents issued in that country. Mr. Sewell says that a number of these certificates (about 20, we believe) were given to you by him. Will you kindly send them to us as promptly as you can, so that we may deliver them to Mr. Soren.

Very truly yours
Fedor Schaubert

FABRI & CHAUNCEY,
ROBOX 1471.

7
John S. Chansey
New York, May 26/1882

Prof. J. A. Edison,
Menlo Park,
N. J.

Dear Sir:-

We have to
acknowledge receipt of
your favor of the 24 inst.,
covering India certificates
as detailed therein.

Thanking you for
your promptness in sending
these papers, we are,

Dear Sir,

Yours very truly,

Fabri & Chauncey

[FROM GEORGE W. SOREN]

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THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
2	R. P. H. S.		22 Paid

Received at W. K. 320 May 29th 1882.

Directed New York

To Thomas Alva Edison

Windsor Park, N.Y.
It is very important that you
should be in New York tomorrow
to sign Power for Andria, Telegraphed
for by Johnson please answer
soon

Form No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

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THIS IS AN UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NUMBER	SENT BY	RE'D BY	FILE NO.	CHECK
2	Wm	W.H.	in Collect	

Received at W.H. W.S. Allen May 30th 1882

Dated New York
To Chas. A. Edison

Mendo Park
You must come in today go
straight to Louisa's office and sign
power which must go by tomorrow
steamer
S. Inall

3
2
1

THE WESTERN UNION TELEGRAPH COMPANY

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It will not be liable for messages or telegrams transmitted by the service of delivery by day, night, and the Company's employees to the extent of insuring the contents and its liability for messages or telegrams transmitted by the service of delivery by day, night, and the Company's employees to the extent of insuring the contents.

A. H. BREWSTER, Secy. NORVIN GREEN, President.

11
READ THE NOTICE AT THE TOP

Date New York RECEIVED
MAY 31 1890
Received at N.Y. ANSWERED
Dr. Thos. A. Edison
FILE No. 7

Johnson Cable. Cable faculty with Edison full authority sign under Patheaus approval all requisite papers pending arrival formal powers thus making Colonial Company issue at once. Telegraph us authority to do so for you we are
Crateur

Drexel Morgan & Co

37 Paid 1/2 1 Pm

FORM OF APPLICATION FOR SHARES.

To the Directors of

Edison's Indian and Colonial Electric Company, Limited.

No. _____

Gentlemen,

Having paid to your Bankers the sum of £ _____ being a deposit of 10s. per Share, I request you to allot me _____ Shares of £5 each in the Company, and I agree to accept such Shares or any less number that may be allotted to me upon the terms of the Prospectus, dated 12th June, 1882, and the Memorandum and Articles of Association of the Company, and I authorise you to register me as the holder of the Shares allotted to me.

Signature in full _____

Address _____

Description _____

Date June, 1882.

Edison's Indian and Colonial Electric Company, Limited.

BANKERS' RECEIPT.

No. _____

June, 1882.

Received of _____

the sum of _____ Pounds, on account of

EDISON'S INDIAN AND COLONIAL ELECTRIC COMPANY, LIMITED, being the Deposit of 10s. per Share upon application for _____ Shares of £5 each of the Company.

For

£ : : _____



7

**EDISON'S
INDIAN AND COLONIAL ELECTRIC
COMPANY, LIMITED.**

PROSPECTUS.

TEMPORARY OFFICES:—

6, LOMBARD STREET, LONDON.

India, East & West, Printers, 25, Abchurch Lane, E.C.

Memoandum of Association

OF

**EDISON'S INDIAN & COLONIAL ELECTRIC COMPANY,
LIMITED.**

1st. The name of the Company is "EDISON'S INDIAN AND COLONIAL ELECTRIC COMPANY, LIMITED."

2nd. The registered office of the Company will be situated in England.

3rd. The objects for which the Company is established are:—

- (1) Acquiring and working the patents, letters of registration, exclusive privileges, and patent rights granted to Thomas Alva Edison in relation to the application of electricity or magnetism as a lighting, heating, and motive agent, and otherwise, in so far as the same patents, letters of registration, exclusive privileges, and patent rights respectively relate to Australasia, South Africa, India, and Ceylon, and for that purpose adopting and carrying into effect (with or without any modifications which may be agreed upon) the agreement mentioned in the introduction to the Articles of Association.
- (2) Applying for and obtaining and acquiring by purchase or otherwise, and using and disposing of letters patent, brevets d'invention, licenses, concessions, grants, laws and authorities, for or in respect of inventions relating to the production, transmission, distribution, and application of Electricity, Magnetism, Light, or Power, and the extraction of metals or ores by and other utilization of any of such inventions or any inventions of a like character or any interest therein upon any terms.
- (3) Doing all such things (including making and carrying forward applications for and claims of all or any of the above) as may be deemed expedient for using or otherwise obtaining the full benefit of the patents and inventions for the time being belonging to the Company, or in which it is interested.
- (4) Producing and applying and granting licenses for the production and supply of Electricity or Electric currents or force, and providing and supplying and granting licenses for the provision and supply of light, heat and motive-power, wholly or in part by means of Electricity or Electric currents or force.
- (5) Manufacturing, importing, purchasing, using, selling, licensing, hiring, leasing and dealing with engines, machinery, apparatus, materials, and things for any of the purposes of the Company.
- (6) Acquiring, constructing, selling, letting, hiring and using lands, houses, and buildings for any of the purposes of the Company.
- (7) Promoting the Company to be constituted or incorporated as a corporation or association in India or in any colony or foreign country.
- (8) Amalgamating with any other Company; selling and transferring all or any part of the Company's business or property; taking over the whole or any part of the property or business of any other Company or undertaking carrying on any business which the Company is authorized to carry on; subscribing for, acquiring, taking, holding, selling, distributing and disposing of shares or securities of any such Company or undertaking and leasing shares or securities of this Company for the purpose of effecting any such amalgamation or operation or otherwise.
- (9) Acquiring the goodwill or any interest in any trade or business similar or analogous to any trade or business which the Company are authorized to carry on.
- (10) Making and carrying into effect contracts and agreements with any other Company, Corporation or persons for any of the purposes of the Company.
- (11) Promoting and forming subsidiary Companies or Associations, for or in connection with any of the purposes of the Company, and taking, holding, and disposing of any shares or securities thereof.
- (12) Making and issuing mortgages, obligations and other securities for money and ordinary preferences and guaranteed shares, and paying off, redeeming and accepting surrenders of any such securities or shares.
- (13) Doing all or any of the matters aforesaid, alone or in conjunction with, or as agents for other Companies or persons.
- (14) Doing all such other things as are incidental or conducive to the attainment of the above objects.

4th. The liability of the Members is limited.

5th. The capital of the Company is £250,000, in 10,000 A Shares of £5 each, upon which a cumulative preferential dividend after the rate of 6 per cent. per annum, is payable, and 10,000 B shares of £5 each. The whole of the B shares, and 2000 of the A shares are to be formed as fully-paid shares. Any shares of which the capital of the Company may from time to time consist, may be divided into different classes, and may have such preferences, guarantees, and privileges, as between themselves, as shall be determined by the regulations of the Company existing from time to time.

EDISON'S INDIAN AND COLONIAL ELECTRIC COMPANY, LIMITED.

CAPITAL—£250,000,

In 40,000 A Shares and 10,000 B Shares of £5 each.

Issue of 35,000 A Shares, with 6 per cent. cumulative preferential dividend, and participation in further profits.

11,000 of these Shares have been already applied for, and will be allotted in full.

10/- per Share payable on Application.

20/- " " " Allotment.

Further Calls will be made as required, but it is not anticipated that any Call will be made during the next six months.

Directors:

THE MOST HON. THE MARQUIS OF TWEEEDDALE (*Chairman*).
THE HON. W. ST. JOHN BRODRICK, M.P., 29, Lower Seymour Street.
HENRY SCHLESINGER, Esq., 5, Kensington Park Gardens (late of the firm of Messrs. NAYLOR, BENZON & Co., London, and Messrs. NAYLOR & Co., U.S.A.)
COLONEL THE HON. W. LE POER TRENCH, R.E., 3, Hyde Park Gardens.
SIR GEORGE WARRENDER, BART., of Lochend, N.B.

Consulting Electricians:

MR. THOMAS ALVA EDISON.
MR. EDWARD H. JOHNSON.

Bankers:

MESSRS. GLYN, MILLS, CURRIE & Co., 67, Lombard Street, London, E.C.
THE COMMERCIAL BANK OF SCOTLAND, EDINBURGH.

Solicitors:

MESSRS. BIRCHAM & Co., 26, Austin Friars, London, E.C.

Brokers:

MESSRS. ARTHUR ANDERSON & Co., 30, Throgmorton Street, London, E.C.

Secretary (*pro tem.*)

MR. CAMERON BROOK.

Temporary Offices:

NO. 6, LOMBARD STREET, LONDON, E.C.

PROSPECTUS.

THIS Company has been formed for the purpose of acquiring and using in the Empire of India, Ceylon, Australasia and South Africa, the rights and privileges of Mr. Thomas Alva Edison, relating to the application of Electricity or Magnetism as a lighting, heating, or motive agent (except the application thereof for the purpose only of locomotion on railways or tramways or common roads, and except also the right of the Cape Government to use an installation which has been already sent out to them), and for the other objects specified in the Memorandum of Association, a print of which is in the fold of this Prospectus.

A large number of Patents or Letters of Registration have been obtained by Mr. Edison for India and the Colonies of Victoria, New South Wales, Queensland, and New Zealand, all of which are secured to the Company. Applications for Patents or Registrations have been or will be made in the last-named Colonies, and in South Australia, Tasmania, West Australia, South Africa, and Ceylon, which when obtained will belong to the Company, without any further payment except the cost of making or completing such applications.

In addition to the above, the Company has acquired a most important advantage in the right to patent and use in Australasia, South Africa, India, and Ceylon, all Mr. Edison's improvements which may be made during the term of five years, from the 12th day of June, 1882. No further payment will accrue to Mr. Edison on the Company exercising this right. After the expiration of the term of five years the Company will have the option of acquiring all additions and improvements made and patented by Mr. Edison on payment of such sums as may from time to time be agreed on or fixed by arbitration in case of difference. The only reservation in favor of Mr. Edison is in respect of locomotion on railways, tramways, or roads.

The Edison Incandescent Lamp is unequalled for domestic and general illumination, and is suitable for all places where a steady, brilliant light, absolutely safe in its production and use, is required. It is peculiarly adapted for India and other tropical countries, as it will be unaffected by Punksals and wind currents, and emits comparatively little heat. When once fixed it requires no skilled labour, but can be attended to by an ordinary native or other servant.

The Edison System, however, does not merely comprise a particular form of lamp, dynamo or regulator, but is a comprehensive whole, embracing every detail essential to the economical, reliable, and safe production and distribution of Electricity for the innumerable purposes to which it can be applied, whether in connection with light, heat, or motive-power. It includes many ingenious and effective devices believed to be peculiar to this system, some of which are referred to in the following extract from a lecture at the Society of Arts, by Mr. W. H. Preece, F.R.S., Electrician to the Post Office, which affords important independent testimony to the above statements:—

"The completeness of Mr. Edison's exhibit was certainly the most noteworthy object in the [Paris] exhibition. Nothing seems to have been forgotten, no detail missed. There we saw not only the boilers, engine, and dynamo-machine, but the pipes to contain the conductors; the conductors themselves, heavy and massive,—for Mr. Edison recognizes the waste of energy that must occur in small conductors,—the insulation, the fixtures, the brackets, the safety catches, the lamps, devices to avoid the effects of expansion and contraction through changes of temperature, meters to measure the current used, regulators to control the consumption of fuel." * * * "Mr. Edison's system has been worked by his bitterest opponents. Many unkind things have been said of Mr. Edison and his promises; perhaps no one has been severer in this direction than myself. It is some gratification for me to be able to announce my belief that he has at last solved the problem that he set himself to solve, and to be able to describe to the Society the way in which he has solved it."

The Safety-catch, above referred to, is an invention for preventing danger from fire in case of the conductors generating heat by reason of breakage or other accidental injury.

The system may be seen in full operation on Holborn Viaduct, where the street extending from Holborn Circus to Old Bailey, the City Temple, Two Hotels, the Entrance to the London, Chatham & Dover Railway Station, Messrs. Spiers & Pond's Restaurant, and numerous shops and Offices are lighted up from a Central Station. The Lamps give out very little heat, they may be grasped by the naked hand without danger or inconvenience, are free from odour and give off no products of a poisonous or noxious character.

This Company, deriving as it does its rights and privileges *direct from Mr. Edison* will be a parent Company. It will be prepared to undertake the business of a Lighting and Power Company, by lighting up towns, public buildings, manufactories, barracks, and residences, and supplying power by means of electricity; and in order to enlist local capital and influence will grant Licenses to Corporations and local Companies to carry on a similar business.

With a view to the early commencement of active operations the Directors have made arrangements for purchasing a number of Mr. Edison's lamps, dynamos, and other materials which are now in London, ready for shipment to some of the principal centres of population and industry within the Company's field of operations. Mr. Edison has agreed, until 1st January, 1883, to supply the Company with Dynamos, Lamps, and other specialties of his system, of his own manufacture, at the prices charged by him to his most favored customers. The Company, however, is free to obtain all such things elsewhere, or to manufacture them, whenever it shall be found more advantageous to do so.

The consideration to be paid for the property and rights secured to the Company is the sum of £25,000 in cash, 5,000 A Shares, fully paid and ranking as such for dividend, and 10,000 B Shares, fully paid, upon which no dividend will be paid until after the A Shares have received a cumulative dividend of 6 per cent. per annum. The surplus profits available for dividend, after payment of the 6 per cent. of cumulative dividend on the A Shares will be divided equally between A and B Shares until the A Shares shall have received a dividend equal to 10 per cent. The remaining profits, subject to a percentage payable to the Directors, will then be divided equally between the A and B Shares respectively. No promotion money will be paid.

The Directors are in negotiation for securing the services of an exceptionally competent Manager, who will be prepared to visit India and the Colonies whenever occasion may require.

The only agreement entered into is dated 12th June, 1882, and made between THOMAS ALVA EDISON, of the first part; GEORGE EDWARD GOUBAUD, of the second part; and the Marquis of TWEEDDALE, The Honorable W. ST. JOHN BRODRICK, M.P., HENRY SCHLESINGER, Colonel The Honorable W. LE POER TRENCH, and Sir GEORGE WARRENDELL, Bart., of the third part, and which is open to inspection (together with the Memorandum and Articles of Association of the Company) at the Offices of Messrs. BIRCHAM & Co., Solicitors, 26, Austin Friars, London.

Applications for Shares must be made on the accompanying form, to be lodged with Messrs. GLEN, MILLS & Co., of 87, Lombard Street, London, E.C., or the Commercial Bank of Scotland, Edinburgh, the Company's Bankers, together with a deposit of 10s. per Share. In case of no allotment being made, the amount of deposit will be returned in full. Where a smaller number of Shares are allotted than are applied for, the balance of the deposit will be applied towards payment of the amount payable on allotment.

Prospectuses and Forms of Application may be had of the Brokers, Messrs. A. ANDERSON & Co., 30, Throgmorton Street, E.C., and at the Temporary Offices of the Company, 6, Lombard Street, E.C.

The Subscription List will be closed for London on or before Friday, the 16th inst., and for the Country on or before Saturday, the 17th inst.

12th June, 1882.

Form No. 1

Mr. Cross says he will agree to this
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS all TELEVISION messages only on conditions limiting its liability, which have been accepted in by the sender of the following message. Errors will be granted, except only by repeating, a message back in the sending station for comparison, and the company will not hold itself liable for errors or delay in transmission or delivery of four-pulsed Messages, in respect the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message of four-pulsed Messages, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
6	Wm E	E	H8 Paid 1.00 pm

Received at Menlo Park Depot

Dated *New York 6/15**June 15 1888*To *Edison*

*Just received following cable from
 Morgans London Johnson says Colonial outbreak
 not favorable may necessitate our rearmament
 can't help out have you any suggestion to make
 we will cable you later about ire involved
 to cable authority rearmament staying sufficient
 to cover patent overlay telegraph your lines
 early
 Brevet Morgan & Co*

1 Lombard St. Sq.
London. 29th June 1882.

Thomas A. Edison Esq.
New Jersey.

Dear Sir,
I have to acknowledge the receipt of your cable as follows: - "If Oriental eight regmie machine etc. must order now ensure early deliveries;" which I have duly communicated to the Company concerned.

Yours truly,
[Signature]

I beg to acknowledge
receipt of your cheque
of £25,000 which I
am obliged
Dear Sir

Edison Indian & Colonial
Electric Light Coy.

The duly received last
week from Mr Johnson your
authority to the Directors of
this Company for payment of
the £25,000. As you had not
filled in the name of the
person to whom the money
was to be paid we inserted
the name of one of the
Partners in the form of
J. S. Morgan & Co. The
£15,000 which had been
deposited with that firm

in the joint names of the
Solicitors for the Company and
ourselves has accordingly been
now transferred to them and
the remaining £10,000 has also
been paid.

We are therefore asked to
consider the letter which we
forwarded to you on the
14th inst. withdrawn and
we need not therefore trouble
you to reply to this.

Messrs. J. S. Morgan & Co.
will no doubt by this mail
report to you the receipt of
the money.

We are, dear Sir,

Yours faithfully,

Walter Russell Smith Esq

J. A. Edison Esq
Menlo Park
New Jersey U.S.A.

DREXEL MORGAN & CO.
 101 N. Center Street
 New York
 DREXEL & CO
 Philadelphia
 DREXEL, HARRIS & CO
 Pittsburg

New York August 1st 1882.

Thomas A. Edison, Esq.

Windsor Park, N.J.

Dear Sir:

We beg to advise having credited your
 a/c this day for your share of Cash Bonus received from
 the English Colonial Electric Light Co of London, for
 which we sold them, say \$25,000 -
 less Am. Contn. Com. \$350 -

Expenses . . . \$ 410.94 6,660.94
 \$ 18,339.10.8

Less Ed. Johnson's 2 1/2% 453.9.9 \$ 17,656.11.

Less Geo. El. Grinnell's % 5895.6.11 \$ 11,790.14

your 65% of which is \$ 7,663.19 1/2, or @ 4 1/2% \$ 37,400.10.

and that we have debited you as for your subscription
 of 1,280 shares of the stock of that Company, at
 \$ 5 per share, say \$ 6,400.00 - , or @ 4 1/2% \$ 31,232.00.

Very truly, yours
 Drexel Morgan & Co

In accordance with our understanding, we apply the
 balance of the above entries, or our own round numbers,
 \$ 6,000.00, on a/c of your note of July 6, 1882 (for \$ 25,000).
 Drexel Morgan & Co

T. A. EDISON,

Menlo Park, N. J., *Aug-2-1882*

*W. A. Master Esq.
The Nicholas Hotel
Broadway N. Y.*

Dear Sir

*Referring to letter of
introduction from our
mutual friend Mr. J. C.
Singalmy, I shall be
glad to see you tomorrow
at 6-5 Avenue at one
o'clock if convenient*

Come truly

Saul Sussell

KINGSBURY & CO

General Advertising Offices.

Lombard House,

George Street, Lombard Street.

London, 19 July, 1882

My dear Insell,

This will introduce to you a good friend of mine Mr W. H. Masters who returns to Melbourne with the Edison Light in his pocket for the Colonies of Victoria & New South Wales. Remembering our correspondence "in this connection" some time since you will be glad to hear that my brother is associated with him in the latter Colony.

I know I need not say that any service you can render Mr Masters will be a personal favor to

Yours sincerely
H. Kingsbury.

S. Insell Esq.

FABRI & CHAUNCEY,
ROBOX 1471.

48. South Street
New York Aug 4, 1882

Prof. Thos. A. Edison,
Present.

Dear Sir:-

Referring to the verbal arrangements regarding the sale in England of all rights and patents appertaining to your Electric Light in British India, we have now to inform you that the basis agreed upon has been duly carried out by Messrs. Drexel Morgan & Co. of this city through their friends abroad. Messrs. D.M. & Co. have undertaken to make settlement of the proper sums, in stock and in cash, coming to all the parties in interest under the sale, and we therefore take leave to refer you to them for the adjustment of the matter and for the payment of the amounts that may be due you.

If you find every thing in order with them, will you kindly write us a letter releasing us from

all responsibility to you by reason
of the contract existing between us
and yourself and covering the electric
light in British India, and by reason
of all acts of ours subsequent to the
date of the said contract.

We are, Dear Sir,
Yours very truly,
Frederic W. Ramsey

7
Aug 14 1871
Frederic W. Ramsey



New York Aug 11 1882

Mr Thomas A. Edison

Dear Sir

Please ship
to W. H. Masters & Co Melbourne
Six dozen Brushes for Z Machine
Also to W. H. Masters Sydney
Six dozen brushes for Z Machine
And charge the two lots to the Edison
Indian & Colonial Electric Co No 6
Lombard St London.

Please do not forget also to send to
Major Flood Page a full price list
of everything that the Edison Co is
making at your lowest price

Yours truly
Willis F. Moore

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EDISON'S INDIAN & COLONIAL ELECTRIC COMPANY, LIMITED.

6, Lombard Street,
London, E.C. 4, Aug. 21, 1882.

J. A. Edison, Esq.
New York.

Dear Sir,

I am anxious that when we get into our new Offices we shall be able to show the various photographic explanations of your system, amongst which I believe there are the following.

- Photos of steam dynamos
1300 lamps (2 sets) 250, 150, 65, 15
- Photos of various portions of Electrical Railway etc. (8 or 10 sets)
- Photos of offices 5th Avenue, New York
- Photos of fourth St. Machine works where dynamos etc. are made
- Photos of laboratory & Buildings

- Photo of old Lamp Factory.
- Photo of new Lamp Factory.
- Photo of House, South Park

If you can add any others my friends will be exceedingly obliged.

If you have any models or apparatus, in addition to the photographs, which you will would like to have exhibited at an Office, I shall be very glad if you will have the kindness to send them.

We want to make as effective a display as we possibly can, believing we shall all reap the benefit to be derived from popularising your system.

I am, Dear Sir,
Yours faithfully,
S. J. Floodgate,
General Manager.

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DIPLOMA OF HONOUR
PARIS ELECTRIC EXHIBITION 1881.
THE ONLY GOLD MEDAL
FOR A COMPLETE SYSTEM OF ELECTRIC LIGHTING
INTERNATIONAL EXHIBITION,
CRYSTAL PALACE, 1882.

EDISON'S
INDIAN AND COLONIAL
ELECTRIC COMPANY,
LIMITED.

6, Lombard Street,
London, E.C. Sept. 1882

Dear Sir,

I send you by this mail
an order for Dynamo Machines,
Lamps, Plant, &c., in accordance
with the terms of agreement with
Mr. Edison dated 12th June 1882,
and I shall be obliged if you
will have the goodness to please
if in hand so that it may be
delivered to the order of this
Company in New York, or England,
as we may direct, during the
last ten days or so of December
next. It is important that the
delivery should be made during
the last days of December, to
enable us to fulfil our engagements;

but we shall not require the
Plant earlier than the time named
to me give you this lengthened
notice we rely on you not
disappointing us

I am, Dear Sir,

Yours faithfully

J. Floodgate.

General Manager.

J. H. Edison, Esq.

Broadway.

New York.

DIPLOMA OF HONOUR
PARIS ELECTRIC EXHIBITION 1881.
THE ONLY GOLD MEDAL
FOR A COMPLETE SYSTEM OF ELECTRIC LIGHTING
INTERNATIONAL LABORATORY
SERVING, PARIS, 1882.

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EDISON'S
INDIAN AND COLONIAL
ELECTRIC COMPANY,
LIMITED.

W. H. Hill
2, Lombard Street,
London, E.C. 5th, Sept. 1882.

Thomas Alva Edison Esq^r
Brooklyn,
New York.

Dear Sir,

On the 5th Sept. our
General Manager, Major
S. Flood Page called upon
us follows

- Starting Australia appoint
- my Company Agents Edison
- Railways Reply

To this message we have,
so far, received no answer.

and fear that either one
or your cablegram has
been carried.

Major S. Flood Page left
London today en route
for Australia and India,
and we have expectations
that he will be very
successful in his efforts
to promote your system in
our Colonies.

I am, Dear Sir,

Yours faithfully
S. Flood Page
Secy.

We shall be glad to receive
full price lists of all the
various items of manufacture
under your system, from
dynamo downwards.

EDISON'S INDIAN & COLONIAL ELECTRIC COMPANY, LIMITED.
 10, SOUTHVIEW STREET, LONDON, E.C. 1.
 10th Sept. 1908.

I beg to advise you that the quantity of $\frac{1}{2}$ B dynamo was supplied by Col. Gouraud included an invoice of 10 $\frac{1}{2}$ B and 7 $\frac{1}{2}$ B dynamo ex "Utopia".
 As it was necessary to adapt the $\frac{1}{2}$ B dynamo to our requirements we were obliged to purchase a sufficient number of $\frac{1}{2}$ B armatures to be used instead of the $\frac{1}{2}$ B armatures.

By this arrangement we are left with 8 $\frac{1}{2}$ B armatures for which we have no use whatever.

Col. Gouraud, to whom I have spoken on the subject, suggests that you may possibly be able to help me out of

the difficulty by making
 taking back the 8 armatures
 carried against the new stock of
 now being ordered from you.

The freight on these 8 armatures
 for this side is ~~to be~~ ^{to be} ~~added~~ ^{added} ~~to~~ ^{to} ~~be~~ ^{be} ~~a~~ ^a ~~severe~~ ^{severe} ~~item~~ ^{item} but the armatures
 as they are no ~~longer~~ ^{longer} ~~dead~~ ^{dead} ~~stock~~ ^{stock}
 to us.

I shall be glad to know ^{and} ~~what~~ ^{what} ~~you~~ ^{you} ~~can~~ ^{can} ~~do~~ ^{do} ~~with~~ ^{with} ~~this~~ ^{this} ~~matter~~ ^{matter}.

Yours faithfully
 J. J. [Signature]

It is our intention to purchase a sufficient number of
 to be used in the new installation of the
 to be used in the new installation of the
 to be used in the new installation of the

It is our intention to purchase a sufficient number of
 to be used in the new installation of the
 to be used in the new installation of the

It is our intention to purchase a sufficient number of
 to be used in the new installation of the
 to be used in the new installation of the

~~Accd~~

INDIAN & COLONIAL ELECTRIC COMPANY, LIMITED.

Dear

in sample of Lombard Street
of your house for London 21
They also had all expert work
of Thomas Edison type. Best is, his
admission to Edison in Edison
New York.

in specimen, would expect this
is done in the specimen & specimen
in specimen & specimen specimen
as specimen & specimen specimen
of the specimen specimen

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specimen specimen specimen but owing to a
difficult specimen specimen specimen specimen
I may be obliged to specimen specimen
without the specimen specimen

The specimen specimen specimen
I specimen specimen specimen specimen
with specimen specimen specimen specimen
I specimen specimen specimen specimen
specify for our further wants specimen specimen
which specimen specimen specimen specimen
I specimen specimen specimen specimen
I specimen specimen specimen specimen

1897

present.

As already explained in the letter of the 15th I would not want any of the plant before the end of the year; and, in fact, if it came earlier it would have to be stored at considerable expense.

You will therefore please make such arrangements as to delivery of such a quantity of the plant as you may require before the end of the year, and to receive the same in the month of December as soon as possible after the 1st of January. It is to be understood that you may require a direct shipment to London, and that the same will be sent by sea. I will write you early in December, giving the necessary shipping instructions. It is to be understood that the freight for the above is to be paid by you, and that you are to be responsible for the same. It is also to be understood that you are to be responsible for the same.

I shall receive the price list asked for
in my letter of the 24th inst.

The invoices for California and
Utopia which were handed over to
us contain prices considerably in excess
of present quotation here.

I remain, Dear Sir,

Yours faithfully,
J. D. Duff
Secy.

20.0.03

20.0.03

20.0.03

20.0.03

21 SEP 82

Specification No. 1.

- 5 Z Dynamos.
* 5 Cases of Lunders. A
15 Barrels of A Lamps

- * Each Case to contain
1 50 Ohms Resistance Box
50 Sockets with coaks
30 Cut outs
100 Plugs 4:1
25 do 2
25 do 3
150 Cleats 2 in
50 do 4 in
20 Individual Clamps
120 Staples.
2 Screws (1-2-1/2 (2-2-1/2))

Prices - (vide letter herewith)

Delivery - end of December, 1882.

Order 119, 120, 121

London, 21st Sept. 1882.

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EDISON'S INDIAN & COLONIAL ELECTRIC COMPANY, LIMITED.

25, Abchurch Lane
London, E.C. 4
25 Sept. 1882

J. A. Edison, Esq.
Menlo Park, N.J.
U.S.A.

Dear Sir,

I have this morning received 4 copies of your Bulletin No. 13. 20 Aug. 1882, for which I am much obliged.

The latest previous one in my possession is No. 10 5 June 1882, and I shall be glad if you can spare me - say two copies each

of Nos. 11 and 12 to make up my collection.

These Bulletins are so interesting, & so useful to my Director, that if you can conveniently do so I will ask you to enter this Company for 8 copies of each succeeding number.

I am, Dear Sir,

Yours faithfully,
A. Sage
Secy.

John K. Porter,
Governor of New York,
New York Bureau,
The Finance Trust,
Care of Messrs.
W. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Loren & Stone,
Attorneys & Counsellors at Law.

No. 8 Broad St. (Opposite Bourse).

New York, Oct. 4th 1882.

Dear Sir:

I enclose a letter received by Mr. Lowrey from Messrs. Tabbri & Chauncey respecting disposition of Mr. Edison's Indian patents, and also a draft letter to be written out, and signed by Mr. Edison, releasing Messrs. F. & C. from all further responsibility.

Kindly attend to this matter.

Yours truly

A. J. Lawson

S. Insull Esq.
65 Fifth Avenue
N. Y. City.

FABRI & CHAUNCEY,
P. O. BOX 1474.

48 South Street.

New York, Sep. 30, 1882

J. P. Ramsey Esq, Present.

Dear Sir:-

We have written twice to Prof. Edison informing him of the arrangement with Messrs. Deane Morgan & Co. for the division of the proceeds of the sale of the India light patents among all the parties in interest. In our letters, we also asked him to ratify the arrangement if he found it satisfactory and to release us from all responsibility

by reason of our India contract with him &c. - We have not heard from Prof. E. in reply, and we presume he is so occupied with other matters that he has overlooked our request. We therefore ask your good office in bringing it before him for attention.

We presume we shall shortly hear from you and Messrs. D. & C. in answer to our letters to you regarding your interests in the India matter.

Thanking you in advance, for your whatever

[ENCLOSURE]

you may do with Prof
Edison, we are

Dear Sir,

Yours very truly,
L. Abbott Lawrence

John H. Dyer,
Governor of Livery,
Old Water House,
Chancery Lane,
London E.C. 4,
Wm. L. Porter.

P. O. Box 1836

Draft

Porter, Lowry & Loren G. Jones
Attorneys & Counsellors at Law,
No. 3 Broad St. (Overy Building)
New York Oct. 27th 1882

Gentlemen:

I was duly in receipt of your letters informing me of the disposition made with your approval by Drexel Morgan & Co of the letters patent for India for my electric light. I have also received from Messrs Drexel Morgan & Co a full statement of the business, all of which was done with my knowledge and approval at the time. I consider what has been done as a full discharge of all your obligations to me in respect of those patents, and I hereby release you from any further responsibility under the arrangements formerly existing between us.

Yours very truly

Messrs. Fabbrini & Channay

T. J. HANFORD.

8
H. M. Lloyd
112, Southampton Buildings,
London Oct 9 1882
W.C.

J. A. Edison Esq
65 Fifth Avenue
New York

Dear Sir

I am instructed
by the Edison Indian & Colonial
Electric Company to take out
patents in some of the
British Colonies for certain of
your light and power inventions
I am now preparing the
documents for same - Some
of the papers require your
signature & I send you by

*
this mail such as I have
ready & shall be obliged if you
will execute them in accordance
with the pencil indications
thereon & return them to me as
soon as possible -

The documents now sent are

Victoria - Specification
Cape — do —
Natal — do —
Tasmania — do —
do Petition
do declaration
General power of attorney
for Australian Colonies.

I am Dear Sir
Yours faithfully

T. J. Hanford

Handwritten note: The
Commonwealth
Paper has
registered

John K. Porter.
Governor's Lawyer.
Gen. White Stone.
Chas. Francis Stone.
Gen. S. Hamilton.
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Loren & Stone.
Attorneys & Counsellors at Law.
No. 3 Broad St. New York.

14th Oct. 48

Had Mr. Eiden. He sends you
Contract with Dickin & Clarencey
relating to India
w/ly M.D.H.

18.81

18.81
for the
contract
with
the
Government

Oct. 18th,

Messrs Porter, Lowrey, Soren & Stone,
3 Broad St. N.Y. City.

Gentlemen:--

I duly received the Pabari & Chumney
contract relating to India under cover of your let-
ter of the 18th.

Yours truly,

DIPLÔME D'HONNEUR,
PARIS ÉLECTRIQUE EXPOSITION 1889.
THE ONLY GOLD MEDAL
FOR A COMPLETE SYSTEM OF ECONOMIC LIGHTING.
INTERNATIONAL EXHIBITION,
CRYSTAL PALACE, 1881.

RECEIVED
OCT 31 1882
ANSWERED

FILE No. 32

EDISON'S
INDIAN AND COLONIAL
ELECTRIC COMPANY,
LIMITED.

6, Southview Street,

London, 20th Oct. 1882
R.C.

Thomas A. Edison, Esq.
N^o 65, Fifth Avenue,
New York.

Dear Sir,

I have received your two letters of
the 5th Oct. giving particulars of prices and
terms for Electric Plant, for which I am much
obliged. The printed paper have also reached
me safely.

In giving the order for lamps, I was guided
by the invoice to Col. forward, where the barrels
contained 100 A and 200 B lamps, respectively.
Thus the order for 15 Bels A lamps (specification
N^o 1) is equivalent to 1500 lamps. Packages
of 100 A and of 200 B lamps are a convenient
size for our purposes, and if you can deliver
these sizes so much the better.

In the matter of settlement of invoices, would
it not be better for you to send the documents

to Messrs. J. S. Morgan & Co., here, with instructions
to hand them to us against cash.

Please reconsider this point: there is time
to arrange the mode of settlement before
the funds will be required.

If you have any Hand Books, or treatises,
giving descriptive details of the Edison System,
methods of working &c. I shall select it a
favor of you will express a few copies
to this Company. The competition here
amongst the various systems is so
excessively keen that it is necessary to
~~be aware~~ at all points in order to
maintain the excellence and advantages
of the Edison System as compared with
its numerous competitors.

I remain, Dear Sir,

Yours faithfully

J. S. Morgan
Secretary

Edison
Electric
Co

TELEPHONE NY 2500.

From WATERHOUSE & WINTERBOTHAM,
Solicitors.

7
Oct 31, 82

I, NEW COURT,
W. Johnson &
CAREY STREET,
LINCOLNS INN, W.C.
31st Oct 1882
E. de Johnson

Dear Sir,

Reference is made to Colonel C.

The assignments of the Patents to the Company are now being prepared, and it is necessary that we should have all the Patents to be assigned in our custody, in order that we may hand them to the Company's Solicitors.

We have all the Patents for Victoria, New South Wales, Queensland & New Zealand and shall shortly receive the Patents for Natal & the Cape of Good Hope from the Patent Agent employed by Col Howard. Of the Indian Patents however we have only

as yet received six, the remaining twenty-two being, we understand in America. Will you kindly have them sent to us. You will find a list of them on the other side.

Yours, dear Sir,
Ours faithfully,

Waterhouse & Winterbotham

RL

W. Johnson Esq
Attorneys
56 Wall Street N.Y.C.
New York

U.S.A.

List of Patents required

- N^o.
 — Electric Lamps, dated 30th Jan/80
 1415 Electric Lamps 14th June 1880
 1405 Utilization of Electricity for
 light heat and power 14th June 1880
 1469 Electric Lamps 15th July 1880
 278 Dynamos & Magnets & Electric
 Machines 2nd April 1881.
 336 Magnets & Dynamos Electric
 Machines 25th April 1881.
 522 Means for measuring the amount
 of Electrical current &c 13th July 1881
 520 Systems of Conductors 13th July 1881
 535 Electric Lamps 13th July 1881.
 — Devices for measuring the
 Electric current 10th Aug^t 1881.
 — Voltmeters 12th Aug^t 1881.
 807 Electric Lamps 27th Sept^r 1881.
 806 Electric lights 27th Sept^r 1881
 811 Dynamos & Electric Machines
 27th Sept^r 1881.
 — Commutators 27th Sept^r 1881
 822 Magnets & Dynamos Magnets & Electric
 Machines 27th Sept^r 1881

- N^o
 827 Electric Arc Lamps 27th Sept^r 1881
 89 Commutators 12th Jan 1882
 64. Construction & arrangement of
 Electric Conductors 12th Jan 1882
 69. Dynamos & Magnets Electric
 Machines 12th Jan 1882.
 74. Electric lamps 12th Jan 1882.
 79. Dynamos & Magnets & Electric
 Machines 12th Jan 1882.

NEW YORK OFFICE.

WATERBURY & HARTBROTHMAN,
Solicitors.

7
NOV. 10, 1892
1, NEW COURT,
CAREY STREET,

LINCOLNS INN, W.C.

10th Nov 1892.

*Accepted
7/11/92*
Dear Sir,
Edwin Lind & Colonial
Company

We have a letter from the Company Solicitors relating to the new Patents you have taken out since the date of the Agreement of 12th June 1882, a copy of which we give you on the other side.

Although under the Agreement you are not actually bound to give the notices &c they ask for (Clause 10 referring only to improvements made after the expiration of 5 years from the date of the Agreement) it is an matter for your consideration whether in view of the large interest you have in the Company you should not adopt the same course with regard

to improvements & additions now being made as you are bound to do in respect of those made after the 5 years have expired.

We would venture to advise this course as we think it would tend to promote cordial relations between yourself and the Company which is of course of importance. If you were to instruct Mr Handford to forward the copies of the Specifications direct to the Company, the expense incurred would we should think be inconsiderable.

We shall be pleased to carry out your wishes if you will let us have your instructions.

We are, dear Sir,

Yours faithfully,

Walter B. Hartbrothman

J. A. Dixon Esq
65 Fifth Avenue
New York N. Y.

26 Aushin Friars
London 8th Nov 1882.

Dear Sir,

Re discovery Patents.

We have to call your attention to the fact that under the Agreement of the 12th June last Re discovery in the Colonial Company are entitled to the benefit of all Re discovery future Patents, absolutely for 5 years - and conditionally upon payment thereof, after that time.

We have reason to suppose that since the date of the agreement Re discovery has taken out fresh Patents but the Company have received no notice nor the specifics of any of them.

We have to request that notice and specifications of all Patents subsequent in date to those scheduled in the Agreement may be sent to the Company and that the same

course be from time to time adapted as and when new Patents are obtained in America or elsewhere

Yours faithfully,
(sig^d) Bircham & Co.

Mess^{rs} Waterhouse & Wintlebotham
1 New Court
Carey Street
Lincoln's Inn
W.C.

T. J. HANFORD.

7
12, Southampton Buildings,
London, Nov. 16 1882

J. A. Edison Esq
65 Fifth Avenue
New York, U.S. A.

Dear Sir,

Edison's Indian &
Colonial Company

I am in receipt of
your favor of 2nd Inst. as also
of the two parcels of papers
for Colonial patents executed by
you for which I am obliged.

I wrote Mr Dyer on the
11th Inst. (to whom I had
occasion to write upon some

other matters) to the effect that
the Australian power which I
had previously sent was not
exactly the most suitable form,
and I forwarded another form
for execution to substitute for the
former, also a form of power
which I found was necessary
for the former Colonial case
"Stamps" - Also that I had
been advised that the
duplicate spec. & drawings for
South Australia required signing
and attesting just the same
as the originals & I forwarded
them through Mr Dyer for
that purpose.

Will you have the kindness
to do the needful & return
them to me if possible by
return mail as the Company
are very anxious to proceed
as quickly as possible in the
matter - I need hardly
say that as the two
specimens & the two sets of
drawings for South Australia
are duplicates the date
of signature (28th of October)
& the witnesses (Sealey
& Pyatt) should be the
same in both cases

Your prompt and

Careful attention will oblige

D^r Sir

Yours faithfully

W. H. Murray

within a short time I will send you full instructions for shipment. At present I think I may safely say that the plant already ordered will have to come by steamer to London.

I shall be glad to know the rates of freight ruling from your side to India and Australia. Perhaps your shipping agent will kindly communicate with me on this subject.

Mr. Thomas J. Handford, of No. 42, Southampton Buildings, London, W.C., has been appointed Patent Agent to this Company, and he will be pleased to be put on your list for the "Bulletin".

Our General Manager, Major Flood Page has got to work in Australia, and I expect to receive considerable orders for Plant to be sent out there.

I remain, Dear Sir,

Yours faithfully,

J. H. M. J. M. J.
M. J. M. J.

FABRI & CHAMNEY,
ROBBERY AGTS.

100 Wall Street
Fabri & Chamney
New York, Dec. 1, 1882

Mr. J. Edison Esq.
Present.

Dear Sir:-

India plates
certificated No 6 @ 26 were
delivered to Messrs. Porter,
Rumsey, Owen & Stone on
May 29/82. We have sent
your letter to them and
have requested them to
attend to it.

Yours truly,
Fabri & Chamney
J.C.H. Foster

DIPLOMA OF HONOUR.
PARIS ELECTRIC CONVENTION, 1881.
THE ONLY GOLD MEDAL
FOR A COMPLETE SYSTEM OF ILLUMINATION,
INTERNATIONAL EXHIBITION,
CRYSTAL PALACE, 1883.

EDISON'S
INDIAN AND COLONIAL
ELECTRIC COMPANY,
LIMITED.

6, Lombard Street,

London, 12th Decr. 1882.
E.C.

Thomas A. Edison, Esq.
111. 65, Fifth Avenue,
New York.

Dear Sir,

Major Flood Page having commenced active business in Australia I am under the necessity of hurrying forward shipment of plant as quickly as possible.

I therefore cabled you today:-

"Ship plant ordered quickly and trust the steamer bringing it will be here before the end of the month."

Payment to be made, to Messrs J. P. Morgan & Co. as stated in my letter of 29th Nov. last.

I remain, Dear Sir,

Yours faithfully,

J. P. Morgan
Secy.

DIPLOMA OF HONOUR,
PARIS ELECTRIC EXHIBITION, 1889.
—
THE ONLY GOLD-MEDAL
FOR A COMPLETE SYSTEM OF ELECTRIC LIGHTING,
HEATING, AND VENTILATION,
CRYSTAL PALACE, 1889.

EDISON'S
INDIAN AND COLONIAL
ELECTRIC COMPANY,
LIMITED.

Enclosed.

6, Lombard Street,
London, E.C. 4, Dec. 13, 1889.

Thomas Alva Edison, Esq.
No. 65, Fifth Avenue,
New York.

Dear Sir,

The enclosed letter was retained
by the Post office this day marked not known.
At the time it was written there was some
doubt here as to where letters were to be
addressed to, and an address was put on which
it was calculated would find you, even if not
quite correct.

The delay is very annoying, still as you have
received my letter of the 21st I hope the miscarriage
of the enclosed one will not be material.

I confirm my letter and cablegram of the
12th inst., and remain,

Dear Sir,

Yours faithfully,
A. D. Sage
Sey.

DIPLOMA OF HONOUR,
PARIS ELECTRIC EXHIBITION, 1889.
THE ONLY GOLD MEDAL
FOR A COMPLETE SYSTEM OF ELECTRIC LIGHTING,
INTERNATIONAL EXHIBITION,
CRYSTAL PALACE, 1884.

EDISON'S
INDIAN AND COLONIAL
ELECTRIC COMPANY,
LIMITED.

6, Lombard Street,
London, 16th Decr. 1889.
E.C.

Thomas A. Edison Esq^r
No. 65, Fifth Avenue,
New York.

Dear Sir,

Yesterday (15 Dec.) I received your message -
"Must have payment New York cable Desvel
Morgan authority cash draft against delivery
documents."

To meet your wishes I have paid £500 to
Messrs J. S. Morgan & Co. here, with instructions to cable
to Messrs Desvel, Morgan & Co. and to inform you. This
was the only way in which I could make the
remittance, because at the time of writing I do
not know what your invoice will amount to.
However, we can adjust the difference, pro & con,
in the next transaction. I calculate that £500 will
be somewhere near the value of spec^s No. 1 - 21 Sept. 1882.

I am sorry that you cannot see your way
to send the documents here to be handed over
against cash. If, as I confidently expect, we are
to do a large business with you, the present
method will prove very troublesome, inasmuch as you
ask us to pay even before you tell us what the

goods ordered will amount to.

I shall be glad to learn what progress, if any, is being made towards an are light. The "Pilsen" is gaining in favour here, and we are constantly being asked what we are going to do in the way of big light.

Please note that we remove to permanent office at Christmas. Our new address will be
44-46 Throgmorton Avenue,
London, E.C.

Our Rooms will be spacious and handsome, and I may take this opportunity to remind you of the letter of our General Manager, Major J. Flood Page, dated 28 Aug. 1892, wherein he asked for photos, &c. They will exhibit well at Throgmorton Avenue.

Our advice from Australia are highly satisfactory, and I hope before long to see the success of the Edison System in Australasia chronicled in your Bulletin.

I remain, Dear Sir,

Yours faithfully

J. P. Page.
Secy.

Edison
Dec. 16/92

10

7
TELEPHONE NO 2800

From WATERHOUSE & WINTERBOTHAM,
Solicitors.

I, NEW COURT,

FAREY STREET,

107, WATERHOUSE & WINTERBOTHAM
LONDON, W.C.

16th December

1882.

Dear Sir,

Edison's Indian Colonial
Company.

Your letter of the 29th November
reached us on the 13th inst but have
since been in communication with
Mr Hansford on the matter. He
informs us that he is keeping the
Company informed of any patents taken
out by him on Mr Edison's behalf.

So long as Mr Hansford continues
to act as Agent for Mr Edison
as well as the Company this would
seem the simplest course we propose
to allow matters to rest as they are
until the question is again raised
by the Company when we will submit
the proposals contained in your letter.

As Mr Hansford does not
supply the Company with copies of
the Specifications the expense
of the course he is now following must

be very helpful.

be an, Dear Sir,

Yours faithfully,

Walter Linnell White Colton

Saml. Insull Esq.

% J.A. Wilson Esq.

65 Fifth Avenue

New York.

1882. Electric Light - Western Edison Light Company (D-82-041)

This folder contains correspondence and other documents relating to the business of the Western Edison Light Company of Chicago, Illinois. Organized in May 1882, this company oversaw the installation of electric lighting plants in Chicago and the Midwest. Much of the correspondence is by George H. Bliss, general superintendent of the company. Related material can be found in the Primary Printed Collection (Company Records Series).

All the documents have been filmed.

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

1175 01-03
CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.,

CHICAGO, ILL., JAN. 3RD, 188 2

T. A. EDISON ESQ.,
DEAR SIR:

MAJ. EATON WRITES ME THAT
POSSIBLY AN ARRANGEMENT MAY BE MADE WITH
GEN'L STAGER.

I INFER THIS APPLIES TO THE NORTH
WEST. I WISH YOU WOULD WRITE ME PERSONAL-
LY HOW THIS IS LIKELY TO EFFECT MY RELATIONS
WITH THE COMPANY.

THUS FAR I HAVE ONLY TWO LAMPS
AND ONE PRINTED SHEET TO WORK WITH. HAV-
ING NO EXHIBIT AND NO PRINTED MATTER I CAN
ONLY REACH PEOPLE BY PERSONAL SOLICITATION
AND THERE IS A LIMIT TO WHAT ONE MAN CAN
DO. I HAVE THE LIGHT UNDER CONSIDERATION
BY AS MANY FIRST CLASS PARTIES AS COULD BE
SEEN BY ONE PERSON SINCE COMING HERE
AND AM GOING TO SECURE SOME RESULTS. IT
TAKES TIME TO MAKE APPOINTMENTS AND DISCUSS
THE LIGHT SO AS TO REACH A DECISION.

IF THE COMPANY WANTED ME TO SELL
ENOUGH STOCK TO PLACE THIS AGENCY ON A FIRST
CLASS BASIS OR DESIRED TO MAKE A PERMANENT
CONTRACT WITH SUFFICIENT FUNDS AT THE COMMAND
OF THE AGENCY TO CONDUCT THE BUSINESS ON
A SCALE SUITED TO ITS IMPORTANCE I CAN SE-
CURE THE MONEY.

I CAN GET AS MUCH BUSINESS WITH
THE PROPER MEANS AS ANY ONE.

PLEASE POST ME AND OBLIGE.
SINCERELY YOURS,

T. A. Edison

*W. B. C. x
222 1/2 of C*

1882-03-03

The Co. has made
no arrangements
with General Stage
He does not want
the isolated business
but the City of
Chicago for General
distribution business

WESTERN ELECTRIC MANUFACTURING CO.

CHICAGO,
139 1/2 N. Dearborn Street.

62-68 New Church Street,
NEW YORK.

Miscellaneous

P. O. Box 1745.

Loudenbach

File

January 20

Thomas A. Edison

Dear Sir,

I will be at your office
at four pm tomorrow Saturday.

General Stager was telling us about
your system, and as I shall be interested
with him, I should like to see it.

If not convenient to see us at
that time, please send me telegram &
make an appointment.

Yours truly

D. H. Loudenbach

62 to 68 N. Church St.

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

Amn Light
CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.

CHICAGO, ILL., FEB'Y 3RD, 1882.

THOS. A. EDISON ESQ.
DEAR SIR:

MR. MOORE INFORMS ME THAT
MR. INSALL IS THE PERSON FROM WHOM ALL ELECTRO-
TYPES AND CUTS ARE OBTAINED

I HAVE ASKED SEVERAL TIMES FOR THESE
AND HAVE NOT YET SECURED ANY.

IF YOU CAN HAVE A SET OF ELECTROTYPES
SENT ME I CAN GET UP A CIRCULAR ADAPTED TO
THE NEED HERE WHICH WILL BE OF GREAT SER-
VICE.

THE ELECTROTYPES WILL COST ONLY A SMALL
SUM AND IT WILL MAKE THE CHEAPEST ADVERTISE-
MENT I CAN USE WITH MY CIRCULARS.

IF THERE IS ANY GOOD REASON WHY THIS
AGENCY SHOULD NOT HAVE THESE CUTS PLEASE
INFORM ME.

SINCERELY YOURS,

Wm. H. Insubl
AGENT.

*Amn having
electrics prepared*

THE EDISON COMPANY
FOR ISOLATED LIGHTING

CHICAGO AGENCY,
ROOM 3, 143 LA SALLE ST.

CHICAGO, ILL., MAY 18TH, 1882.

SAM'L INSULL ESQ.
MENLO PARK, N. J.
DEAR SIR;

YOUR FAVOR OF THE 9TH IS AT

HAND.

THANKS FOR THE INFORMATION CONTAINED.
IF THERE WILL BE ANY CONSIDERABLE DELAY
IN FURNISHING THE ELECTROTYPE PLEASE ADVISE
AS I DO NOT WANT MY ARTICLE TO GET STALE
AND IT WILL BE BETTER TO PUBLISH WITHOUT.
PLEASE SAY TO MR. EDISON THAT GEN'L
STAGER WILL HAVE HIS COMPANY UNDER HEADWAY
BEFORE THE CLOSE OF THE MONTH AND THAT HE
HAS TEN OF THE RICHEST AND MOST INFLUENTIAL
MEN IN THE CITY ASSOCIATED WITH HIM;
SINCERELY YOURS,

AGENT.

Amos Stager, President,
John M. Clark, Vice Pres. & Treas.
D. H. Lesterbach, Sec'y.

Directors:

Thomas A. Edison,
James E. Smith,
John H. Crane,
G. W. Davis,
Samuel Merrill,
Norman Williams,
Edwin Keith,
John M. Clark,
John Clegg,
Anthony F. Szebeny,
E. G. Simmons.

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, ~~JUNE~~ 14TH, 1882.

FRIEND EDISON:

IN ADDITION TO THE DIRECTORS OF THE WESTERN CO., CONSIDERABLE OF THE STOCK WILL BE DISTRIBUTED AMONG SUCH MEN AS MARSHALL FIELD, GEO. M. PULLMAN AND OTHERS OF THAT CLASS.

A BETTER BODY OF MEN COULD NOT BE BROUGHT TOGETHER AND IF THE CENTRAL DISTRICT IN NEW YORK GOES AS WELL ALL EXPECT ANY AMOUNT OF MONEY NEEDED WILL BE FORTH COMING TO PRESS THE BUSINESS IN ILLINOIS, WISCONSIN AND IOWA.

GEN' STAGER HAS BEEN SICK MOST OF THE TIME SINCE THE ORGANIZATION AND IS OUT TODAY FOR THE FIRST TIME.

ARRANGEMENTS ARE BEING MADE TO PUSH EVERYTHING WITH VIGOR AND SOME NICE RESULTS WILL BE REACHED SOON.

THE WESTERN COMPANY ARE DESIROUS OF HAVING THE BUSINESS IN THE NON GAS TOWNS AS WELL AS IN THE GAS TOWNS.

THERE IS NO DOUBT ABOUT ONE COMPANY BEING ABLE TO DO ALL THE WORK TO BETTER ADVANTAGE THAN TWO CAN IF A PROPER BASIS CAN BE AGREED UPON.

I PRESUME THE MATTER WILL BE PROPERLY NEGOTIATED IN A SHORT TIME.

OF COURSE WHEN I WENT WITH THE ISOLATED COMPANY I EXPECTED IT WOULD BE A PERMANENT THING AND THAT AFTER THE FIRST OF JUNE THEY WOULD PAY ME \$8,000.00 AND A PERCENTAGE OF PROFITS OR OF STOCK IN NON GAS TOWNS WHERE COMPANIES WERE STARTED.

THEN IT DID NOT SEEM TO BE CONTEMPLATED TO PUT MORE THAN A SINGLE CITY IN ONE COMPANY.

I AM NOT DISPOSED TO FIND FAULT FOR MY GREAT OBJECT IS TO ADVANCE THE INTERESTS OF THE EDISON ELECTRIC LIGHT WITH A REASONABLE CARE FOR MYSELF.

THE GENERAL IS VERY FRIENDLY AND OFFERS ME \$3,000.00 SALARY WITH THE NEW COMPANY AND WILL GIVE ME \$5,000.00 WORTH OF STOCK FOR ME.

I THINK THIS STOCK WILL GO TO 200 WITH IN A YEAR WHICH WILL BE A FAVORABLE RESULT FOR ME.

I HAVE HAD ENOUGH EXPERIENCE WITH THE LIGHT TO BE SATISFIED THAT IT WILL BE A GREAT SUCCESS AND I SHOULD NOT BE AFRAID TO TAKE ANY TERRITORY WITH GOOD BACKING TO WORK UP LOCAL ORGANIZATIONS AND GET THE BUSINESS STARTED.

IF SATISFACTORY TO ALL CONCERNED I PREFER NOT TO GO AWAY FROM HERE WITHOUT CONSIDERABLE ADDITIONAL COMPENSATION.

MY PLANTS ARE GOING TO STICK HERE AND I SHALL CLEAN UP A PROFIT ON THE BUSINESS ALREADY DONE.

Arnon Stager, President,
John M. Cook, Vice Pres. & Treas.
D. H. Linschbach, Sec'y.

Directors

Thomas A. Edison,
Arnon Stager,
John M. Cook,
J. W. Clark,
Samuel Merrill,
Harmon Williams,
Edgar Kahn,
John M. Cook,
John Owen,
Anthony F. Seabinger,
Z. G. Simmons.

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, _____ 1882.

GEN^L STAGER HAS MADE MONEY FOR ALL HIS ASSOCIATES AND
FRIENDS IN THE TELEPHONE AND OTHER COMPANIES WHICH HE HAS
HANDLED AND IT PAYS FOR A MAN TO STICK TO HIM.
IT SEEMS TO ME THAT MR. INSULL IS VERY SLOW ABOUT
SENDING ALONG THAT CUT AND IT WOULD BE BETTER TO SAY IT
CANNOT BE HAD THAN TO ALLOW THE MATTER TO DRAG ALONG.
SINCERELY YOURS,

Geo. H. Bliss

Arson Singer, President,
John M. Chan, Vice Pres. & Treas.
D. H. Luedelbach, Sec'y.

Directors:

Thomas A. Edison

Arson Singer

John M. Chan

J. W. Moore

Samuel Merrill

James Williams

Edson Hall

John G. Cook

John Crane

Anthony F. Sestini

Z. G. ...

1882-06-19

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, *19th June* 1882.

Arson Singer
22nd June 1882

*Mrs. Thos A. Edison,
Menlo Park - N. J.*

Dear Sir

*I send you today two
copies of the Chicago Tribune of the
17th and 18th inst, with articles marked
which please notice.*

*Sincerely yours,
Gen. Supt.*

Amos Singer, President,
John H. Clark, Vice Pres. & Treas.
D. W. Loveland, Sec'y.

Directors:
• Thomas A. Edison,
Amos Singer,
John H. Clark,
J. W. Clark,
Samuel Merrill,
Harmon Williams,
Edwin Smith,
John H. Clark,
John Clark,
Arthur F. Seaberg,
Z. G. Simmons.

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, 21st June 1882.

Mor Thos A. Edison,
Menlo Park, N.J.
Dear Sir

There is quite a mania here among owners and managers of Theatres for the Edison light.

We are preparing estimates on five theatres at present and the light seems to be what they require. Whether we secure these orders or not depends in a great measure on whether arrangements can be made to turn up and down different portions of the light simultaneously.

It would be impracticable to put in a separate dynamo in order to secure control of the different divisions of the light.

It will have to be arranged so that from fifteen to thirty or more lights can be handled at one time.

Can this be done successfully by introducing resistance in branch circuits - and with

Asa Sisson, President,
John W. Clark, Vice Pres. & Treas.
D. H. Laidlaw, Sec'y.

Directors:

Thomas A. Edison,
Asa Sisson,
John W. Clark,
J. W. Eaton,
Samuel Merrill,
Harmon Williams,
Edson A. Rice,
John M. Chan,
John W. Clark,
Anthony F. Sestieri,
Z. G. Bennett.

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, 1882.

safety?

Can you suggest any other plan more
feasible? If any of the orders are
secured the work will have to be done
while the theatres are being repaired during
the hot months this summer.

An early reply will oblige.

Sincerely Yours,

Geo. W. Brewer
Gen. Supt.

We have apparatus already
which 1 or 500 lights may
be turned down & up. while others
may be at any candle power
in order other words from the
same dynamo there may be
several ckt's each of which
may be turned up or down
independently

Amos Singer, President,
John M. Clark, Vice Pres. & Treas.,
D. H. Luedersheim, Gen'l Mgr.

Directors:
Thomas A. Edison,
Amos Singer,
Geo. F. Childs,
J. W. Drake,
Samuel Merrill,
Samuel Williams,
Edison Kelly,
John M. Clark,
John Crane,
Anthony F. Seeburger,
Z. G. Simons.

1882-06-26

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO 26 June 1882.

Mr. T. A. Edison
Menlo Park (N.J.)
Dear Sir,

By order of the
President, a meeting of the Direct-
ors of this Company is hereby called
to be held at the Company's office,
4-51 and 53 Wabash Ave, Chicago,
to-morrow, June 27th, at 4 P.M.

Please be present.

Respectfully,

D. H. Luedersheim,

Secretary
H. Lued.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted in by the sender of the following message.
It reserves the right to suspend service or to refuse to accept any message which is in violation of its regulations, and the company will not be held liable for any message so transmitted.

This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1	Wpa C	3rd Collier	

Received at Menlo Park Depot 7/5 3:20 pm 1882

Dated New York 5

To Charles R. Matt

Mail me to Fifth Ave office copy
Slayer Contract I gave it you the other
day ask Edison if he can see Prof
Barker at Menlo Friday & wire
Barker at 5th Ave office accordingly
Inuall

1882-07-06

Amos Singer, President,
John M. Clark, Vice Pres. & Treas.
D. H. Luedersheim, Sec'y.

Directors

Thomas A. Edison,
Amos Singer,
Geo. B. Childs,
F. W. Clark,
Samuel Merrill,
Edmund Miller,
John M. Clark,
John M. Clark,
John M. Clark,
John M. Clark,
John M. Clark.

Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, *6th July*, 1882.

*Recd
19/7/82
T.A. Edison*

*Mr. T. A. Edison
Menlo Park N. J.
Dear Sir*

Your favor of June 28th

is at hand.

*Please have description sent me of
the apparatus for controlling different
divisions of light independently when
the current is supplied from one dy-
namo, giving cost and other partic-
ulars, and greatly oblige-*

Sincerely Yours,

*Geo. H. Bliss
Genl. Supt.*

Amos Stager, President,
John W. Clark, Vice Pres. & Treas.
D. H. Luederbach, Sec'y.

Sig'ns:
Thomas A. Edison,
Amos Stager,
John W. Clark,
J. W. Clark,
Edward Merrill,
Harrold Williams,
Edson Kuhn,
John B. Clark,
John Brown,
Alvin F. Seeger,
Z. G. Sullivan.

19 July 1882
Western Edison Light Company,

51 & 53 Wabash Avenue.

CHICAGO, 6th July 1882.

Handwritten: 19 July 1882
Mrs. Thos. A. Edison,
Menlo Park - N.J.
Dear Sir

Mr. H. C. Jacobs - a gentleman who has been employed in connection with the Western Edison Light Co. to work in Wisconsin - makes the suggestion that a layer of fine wire be wound on the outside of the field magnets in opposite directions to the ordinary wire on the field.

He then proposes that the terminals of this fine wire be connected to the main line; - the total resistance of the fine wire to be very high in comparison with the circuit.

He thinks the action would be that as the lamps were burned off an increasing proportion of current would flow through the fine wire on the fields and neutralize the current in the regular wire in the field magnets, thereby creating an automatic regulator which would control the lamps at all times.

The proportion of resistance of the outside fine wire would of course have to be determined by actual experiment.

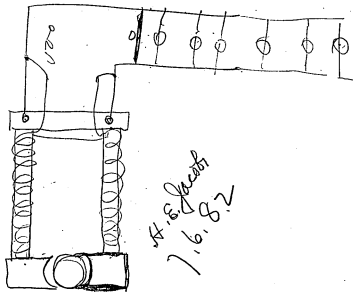
I presume you have experimented exhaustively in this direction, but repeat the suggestion offered by Mr. Jacobs, as it may possibly be of benefit to you.

Sincerely yours,

Thos. A. Edison
Genl. Supt.

T.A.E.

140



H. E. Jacobs
1.6.8.2

H. E. Jacobs

Subject: CONTROL OF DIFFERENT DIVISIONS OF LIGHT.

1882-07-24

ALVIN STRAIN,
President
JOHN M. CLAY,
Treasurer
D. H. LOUGHEED,
Secretary
GEO. H. BURN,
Chief Eng.
P. D. JONESTON,
Engineer

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS:

THOMAS A. EDISON,
ALVIN STRAIN,
JOHN M. CLAY,
D. H. LOUGHEED,
GEO. H. BURN,
EDWIN RUFF,
JOHN M. CLAY,
JOHN CRANE,
GARRETT F. GERRARD,
Z. G. SIMONS.



Chicago, JULY 24TH, 1882.

MR. THOMAS A. EDISON,
MENLO PARK, N. J.

DEAR SIR :

IN REPLY TO YOUR FAVOR OF THE 10TH WILL SAY THAT THE APPARATUS REQUIRED IS FOR THE CONTROL OF DIFFERENT DIVISIONS OF LIGHT INDEPENDENTLY WHEN THE CURRENT IS SUPPLIED FROM ONE DYNAMO, FOR USE IN THEATRES.

SIX OF THE THEATRES HAVE CALLED FOR ESTIMATES AND IT IS PROBABLE THAT ONE OR MORE CONTRACTS WILL BE SECURED SHORTLY IF WE CAN ADAPT THE LIGHT TO THEIR NEEDS.

SINCERELY YOURS,

Geo. W. Strain

GEN. SUPT.

*Will this have asked Bergman
to estimate =
~~the same~~*

*Bergman: E.H.G. = please give
Estimate of a Regulating Association
to be placed in the main line
for turning lights up & down. On
operate E.H.G. from one dynamo
for theatre purposes. Estimate
for 100 75 50 30 15 & 10
Lights. Edison*

The Edison Electric Manufacturing
Company of New York
65 Fifth Avenue

1882-08-18
29

New York Aug 18 1882

Friend Edison

The basis upon which
the Weston Edison Light Co.
shall operate having been
determined I leave for the
west tonight.

I should be glad to see
the test of the apparatus
in the Central district but
this is not necessary now
and I can do more good
in going for business.
An Elevator Railway Co. has
been organized at Chicago
and I want them to
adopt your Electric En-

The Edison Electric Manufacturing
Company of New York
65, Fifth Avenue

1882-08-28
29

New York

Aug. 18

1882

Friend Edison

The basis upon which
the Weston-Edison Light Co.
shall operate having been
determined I leave for the
West tonight.

I should be glad to see
the test of the apparatus
in the Central district but
this is not necessary now
and I can do more good
in going for business.

An Elevator Railway Co. has
been organized at Chicago
and I want them to
adopt your Electric En-

give. On whose terms can
it be had? You want to
buy it so I can make
some money in the trade.

Mr. McCarty is anxious
to come with the Weston Co.
His experience with the
Motor is not a good re-
commendation. If you want
to endorse his application
I can probably use him
to advantage.

You will get some orders
from the West.

Ch. Goddard has the formal
order which we agreed upon
for Dynamis.

Sinc. Yrs

Geo. W. Bliss

1882-08-21

Subject STORAGE BATTERIES.

Amos Starr,
John M. Clark,
D. H. Loebbeck,
Geo. H. Bush,
P. D. Johnson,

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.
Thomas A. Edison,
Amos Starr,
John M. Clark,
D. H. Loebbeck,
George Westinghouse,
John M. Clark,
John C. Brown,
Anthony F. Desrosiers,
Z. B. Swaine.

(IN REPLY TO REFER TO)

Chicago, 21ST AUGUST, 1882.

MR. THOS. A. EDISON,
MENLO PARK, N. J.

DEAR SIR :

WHEN IN NEW YORK I WANTED TO TALK WITH YOU IN REGARD TO STORAGE BATTERIES. I FULLY EXPECTED TO SEE YOU AGAIN, HENCE DID NOT DO THIS AT THE TIME OF OUR INTERVIEW. IN PRIVATE HOUSES WHICH WE ARE LIGHTING IT WOULD BE VERY DESIRABLE TO BE ABLE TO STORE UP A SMALL QUANTITY OF CURRENT SO THAT AFTER THE PLANT WAS SHUT DOWN, SAY MIDNIGHT, ONE OR TWO LIGHTS COULD BE BURNED DURING THE BALANCE OF THE NIGHT AS NEEEDED.

MR. DOANE, ONE OF OUR DIRECTORS, WHO HAS A VERY ELEGANT HOUSE IS HAVING IT LIGHTED BY THE EDISON SYSTEM AND IS DETERMINED TO HAVE NO GAS IN THE BUILDING.

HAVE YOU ANY IMPROVED FORM OF STORAGE BATTERY WHICH COULD BE USED TO FIT THIS CASE ? AND FROM WHOM COULD THEY BE OBTAINED ?

SINCERELY YOURS,

Ed. H. Doane

GEN. SUPT.

*Referring to your
of 21st inst I think that
very shortly we shall
be able to get you
supply you with a
battery such as you desire*

Subject: MISCELLANEOUS ITEMS.

1882-08-20

AMOS STANLEY,
President.
JOHN M. CLARK,
The Street and Store.
D. H. LOUGHEED,
Electricity.
Geo. H. BUSH,
Dist. Agt.
P. D. JONES,
Payman.

Western Edison Light Company,

51 and 53 Wabash Avenue,

HERBERTS.
THOMAS A. EDISON.
AMOS STANLEY.
JOHN M. CLARK.
J. W. CLARK.
SARAH MITCHELL.
HUBERT WILLIAMS.
EUGENE HAYES.
JOHN M. CLARK.
JOHN GILLES.
ARTHUR F. BENTZGER.
Z. G. SHAW.

CHICAGO, 20TH AUGUST, 1882.

MR. THOMAS A. EDISON,
MENLO PARK, N. J.

DEAR SIR :

YOUR FAVORS OF THE 23D ARE AT HAND. PLEASE AC-
CEPT THANKS FOR THE INFORMATION.

I SHALL HAVE OCCASION TO WRITE YOU ABOUT THE MOTOR BEFORE
LONG.

I HAVE SENT FOR MR. MC CARTHY TO COME ON TRIAL HERE AND
HOPE HE WILL PROVE A SUCCESS.

SINCERELY YOURS,

Geo. H. Bush
GEN. SUPT.

1882-0821

Subject: SIZE OF WIRES AT MENLO PARK.

AMON STANG,
President.
JOHN M. CLARK,
The First Land Firm.
D. M. LOUGHEED,
Electrician.
W. H. BROWN,
Electrician.
J. H. COOPER,
Electrician.

*Answered
20/8/82*

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS:
THOMAS A. EDISON,
AMON STANG,
J. H. COOPER,
J. W. DORR,
GEORGE HENDEL,
ROBERT WILLIAMS,
GEO. HENDEL,
JOHN M. CLARK,
JOHN CLARK,
ANTHONY F. BRIDGES,
Z. S. SWANN.

CHICAGO, 21ST AUGUST, 1882.

MR. THOMAS A. EDISON,
MENLO PARK, N. J.

DEAR SIR :
PLEASE GIVE ME THE SIZE OF THE WIRES RUNNING FROM
LABORATORY TO YOUR HOUSE TO SUPPLY THE 47 LIGHTS USED THERE
AND THE DISTANCE, AND OBLIGE,

SINCERELY YOURS,

Geo. W. Cooper
GEN. SUPT.

9 1 7

1882-08-29

Subject PARDRIDGES ORDER, NEW ARC LIGHT.

Amos Stone,
Pittsfield.
John M. Coker,
The Harvard Press.
D. H. Luce, Esq.,
Newark.
Geo. H. Dink,
Chestnut.
P. D. Johnson,
Essex.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTOR.
Thomas A. Edison,
James Stratton,
J. B. Dyer,
J. W. Dyer,
Samuel Merrill,
William Wallace,
Edwin Ketchum,
John M. Coker,
John Greer,
Arthur F. Stevens,
Z. G. Sisson.

CHICAGO, 20TH AUGUST, 1882.

MR. THOS. A. EDISON,
MENLO PARK, N. J.

DEAR SIR :

PLEASE INFORM WHAT IS THE MAXIMUM HORSE POWER YOU PROPOSE SELLING TO ANY ONE PARTY IN THE FIRST CENTRAL DISTRICT IN NEW YORK.

I AM GLAD TO BE INFORMED THAT YOU ARE GOING TO SOON GIVE US A STORAGE BATTERY. PLEASE HAVE US KEPT POSTED IN REGARD TO PARTICULARS.

WHEN I WAS AT THE GOERCK STREET SHOPS I HAD A LONG CONVERSATION WITH PROF. MORSE IN RELATION TO THE ARC LIGHT AND HE WAS VERY SANQUINE THAT WITHIN A MONTH THE LIGHT WOULD BE IN READINESS TO OFFER OUR PATRONS.

HE STATED THAT IT COULD BE BURNED ON THE SAME CIRCUIT WITH THE INCANDESCENT LIGHTS AND THAT THE MAXIMUM CURRENT WOULD BE ONLY WHAT IS REQUIRED TO BURN 15 OF THE 8 CANDLE LAMPS.

ARE YOU EQUALLY SANQUINE THAT THE LIGHT CAN BE SO SOON OFFERED TO THE PUBLIC ?

J. V. FARRELL AND CO. ARE ERECTING AN IMMENSE WHOLESALE DRY GOODS STORE IN THIS CITY WHICH PROMISES TO BE THE FINEST ESTABLISHMENT OF THE KIND IN THE COUNTRY.

THEY ARE STOCK HOLDERS IN THE WESTERN COMPANY AND ARE GOING TO USE A CONSIDERABLE NUMBER OF THE EDISON LIGHTS BUT FOR LARGE AREAS IT IS THEIR INTENTION TO USE THE FULLER LAMPS.

IF WE WERE GOING TO BE IN SHAPE TO FURNISH LARGE INCANDESCENT OR ARC LIGHTS TO BE BURNED IN CONNECTION WITH THE EDISON INCANDESCENT SYSTEM I COULD PROBABLY SHUT OTHER PARTIES OUT OF THE FIELD ENTIRELY. THIS IS THE REASON WHY I AM SO ANXIOUS TO GET EXPLICIT INFORMATION RIGHT AWAY.

I TOOK AN ORDER FOR 310 A LAMPS TO-DAY TO BE PLACED IN TWO RETAIL DRY GOODS STORES IN THIS CITY.

IN ORDER TO GET THE CONTRACT WE HAD TO PUT IN A FORE-FEITURE CLAUSE BY WHICH WE WILL LOSE 100 DOLLARS PER DAY IF THE PLANT IS NOT IN OPERATION BY THE TIME SPECIFIED.

THE ONLY THING WHICH WILL PREVENT US FROM GETTING THE CONTRACT INSTALLED IS GETTING THE ENGINE, BUT ARMINGTON AND DIMMS HAVE PROMISED TO SHIP IT ON THE 15TH PROX. - Look out for Armington. I have this sent come to time, you better commence a going faster now & keep it up.

5
*You are to be told
that I have been
asked to give you
some information
regarding the
present status of
the Edison
Company. I have
been asked to
give you the
following
information
in regard to
the Edison
Company.*

*I am
glad to
hear of
this
order
and
hope
it will
lead
to
more
business.*

*It is
very
satisfying
to
hear
of
this
order
and
I
am
sure
it
will
be
a
great
step
towards
the
success
of
the
Edison
Company.*

1882-08-29

Subject

ARTHUR STILES,
President.
JOHN M. QUINN,
The Freedmen Press.
D. H. LOUGHERAN,
Armory.
Geo. H. BURN,
West Park.
P. D. JONESTON,
Diplomat.

Western Edison Light Company,

51 and 63 Wabash Avenue,

*I am trying to arrange for
so we will not have
on hand.*

DIRECTORS.
THOMAS A. EDISON.
ARNO STILES.
JOHN B. DODGE.
J. W. DODGE.
EDWARD HERRICK.
EDWARD WILSON.
EDWARD WILSON.
JOHN M. QUINN.
JOHN M. QUINN.
JOHN CRANE.
JEREMY F. BRADSHAW.
Z. G. SHERMAN.

CHICAGO, 1882.

I FEAR THE ENGINE QUESTION IS GOING TO BE A VERY SERIOUS ONE IN PREVENTING US FROM FILLING OUR ORDERS THIS FALL. WE ARE SHORT FOUR ENGINES NOW AND IN ONE CASE, WITH THE ACADEMY OF MUSIC IN THIS CITY, WHERE WE AGREED TO HAVE THE PLANT IN OPERATION ON A CERTAIN DAY ON THE STRENGTH OF WHICH THE PROPRIETOR MADE PROMISES TO THE PUBLIC AND WE ARE HAVING A GOOD DEAL OF TROUBLE WITH IT. I HOPE ARMINGTON AND SIMMS WILL INCREASE THEIR CAPACITY TO MEET THE REQUIREMENTS OF THE BUSINESS OR THAT SOME PROVISION WILL BE MADE TO GET OUT ENGINES WITH THE SAME PROMPTNESS YOU NOW SUPPLY US WITH DYNAMOS, AS UPON THIS WILL LARGELY DEPEND THE RAPIDITY WITH WHICH BUSINESS CAN BE DEVELOPED.

SINCERELY YOURS,

Geo. H. Burn

GEN. SUPT.

*Please accept congratulations on
the promising condition of mat-
ter in the first district.*

Subject.....MANUFACTURE OF E DYNAMOS.

1882-09-14

ANDREW STRAIN,
President,
JOHN M. CLARK,
The Portland Press,
D. H. LOUGHEED,
Auditor,
GEO. H. BLAIR,
Gen'l. Mgr.,
P. D. JOHNSON,
Agent.

Western Edison Light Company,

51 and 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
ANDREW STRAIN,
JOHN M. CLARK,
J. W. DAVIS,
SAMUEL MARSHALL,
HENRY WILLIAMS,
EDGAR RUTLEDGE,
JOHN M. CLARK,
JOHN C. BROWN,
ANTHONY F. STRASSER,
Z. G. SWANSON.

CHICAGO, 14TH SEPT. 1882.

MR. THOMAS A. EDISON,
MENLO PARK, N. J.

DEAR SIR :

COL. GODDARD INFORMS US THAT HE DOES NOT INTEND TO CARRY ANY STOCK OF E MACHINES.

I APPRECIATE THE FACT THAT THEY ARE VERY COSTLY IN THE FIRST PRICE AS WELL AS IN THEIR OPERATION ON ACCOUNT OF THE POWER REQUIRED.

THERE ARE SITUATIONS, HOWEVER, WHERE THE FIRST COST AND POWER ARE OF LITTLE CONSEQUENCE.

WE ARE RUNNING ONE OF THESE MACHINES WITH GOOD SUCCESS IN A SAW MILL AT LUDINGTON, MICH., AND THE PROSPECTS ARE THAT OTHER ORDERS CAN BE SECURED.

COL. GODDARD WRITES IF WE WILL PLACE AN ORDER FOR THESE DYNAMOS THEY WILL BE MADE.

THE PRICE AT WHICH THEY ARE SOLD TO US LEAVES A VERY SMALL MARGIN OF PROFIT.

SHOULD WE ORDER TEN OR TWELVE FOR FUTURE DELIVERY COULD ANY BETTER FIGURE BE OBTAINED ?

IF YOU COULD MAKE A 25 OR 30 A LIGHT MACHINE IT WOULD MEET WITH A MUCH LARGER SALE AND WOULD OF COURSE BE MORE ECONOMICAL.

PLEASE WRITE ME ABOUT THIS AT AN EARLY DAY.

SINCERELY YOURS,

Geo. H. Blair

GEN. SUPT.

*We will make
15 machines for New York
for \$160. Each 15-light machine
E.*

Subject:

1882-09-19

ANSEL STILES,
President.
JOHN M. CLARK,
The Electrical Press.
D. H. LOUGHEEDY,
Mechanic.
Geo. H. BUSH,
Chief Eng'r.
P. D. JOHNSON,
Engineer.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.
THOMAS A. EDISON,
JAMES BRADY,
JAC. B. DAVIS,
J. W. GIBBS,
SAMUEL MITCHELL,
ROBERT WILLIAMS,
EDSON RICH,
JOHN M. CLARK,
JOHN CRANE,
ANTHONY F. SESSERHO,
Z. G. BROWN.

CHICAGO, Sept 19, 1882.

Thos. A. Edison Esq.,

Dear Sir,

Mr. J. P. Barrett, ~~owner~~ of the Chicago Fire Alarm, made a suggestion in regard to the feeders for the underground system of possible merit.

He thinks if all the feeders for one pole were connected at the station to the system and the other pole carried out by the feeders to the proper points in the system where demanded by the light consumption that the potential of the current would equalize itself to the best advantage.

Very truly

Geo. H. Bush

77
Requires a very heavy investment in capital
have patents covering the point

Subject.....BULLETINS.....

1882-0925

ANNIE SWICK,
Printer.
JOHN M. CLARK,
The First and Third.
D. H. LOUGHEED,
Printer.
GEO. H. BARK,
Gen'l Agent.
P. D. JONESTON,
Editor.

Western Edison Light Company,

51 and 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
JAMES SWICK,
JAS. B. CHASE,
J. W. CLARK,
SAMUEL MITCHELL,
RICHARD WILLIAMS,
EDGAR KELCH,
JOHN M. CLARK,
JOHN CHESLE,
ANDREW F. GILBERTSON,
Z. G. SWANSON.

CHICAGO,.....SEPT......25th.....1882.

Mr. Thos. A. Edison,
Menlo Park, N. J.

Dear Sir ;

Yours of the 20th is at hand.
We will put your name on our list for a half dozen
copies of our bulletins as requested.

Sincerely yours,

Geo. H. Bark
Geo. H. Bark
Genl. Supt.

1882-09-25

Subject: PRICE OF 15 LIGHT DYNAMOS.

ALBION STANLEY,
Manager,
John M. Crane,
Flax Partridge Firm
D. H. LOCKWOOD,
Manager,
Geo. H. Bush,
Gen'l Mgr.,
P. D. JOHNSON,
Engineer.

Western Edison Light Company,

51 and 53 Wabash Avenue.

DIRECTOR:
THOMAS A. EDISON,
ANDREW STANLEY,
JNO. B. CRANE,
J. W. CRANE,
SAMUEL HERRICK,
HUBERT WILLIAMS,
EDWIN ALLEN,
JOHN M. CRANE,
JOHN CRANE,
ARTHUR F. SCREVENSON,
Z. G. SIMMONS.

CHICAGO, Sept. 25th, 1882.

Mr. Thos. A. Edison,
Menlo Park, N. J.

Dear Sir: Your favor of the 20th giving the price of E dynamos at 1.60 dollars is at hand.

As soon as we can have an opportunity to test the merits of these small machines, the question of giving an order for the number you name will be determined upon.

I am glad to see that you have been able to reduce the price to the same amount per lamp as on the larger machines.

I understand there is a Mr. MC MURRAY in this city or vicinity, who claims to have the foundation patent on incandescence electric lighting.

It is also claimed that the Edison Company has been negotiating for the same.

Is there any truth in this? some of our stockholders are interested to know.

The 23d inst I sent you a copy of the Railway Age containing my article on your electric railway.

Sincerely yours,

Ed. W. Beaman
Gen. Supt.

*Reply to Wre of 25th
There is absolutely no
truth in the statement
that the Edison Co has
been negotiating with
Mr. Murray.
Our bookkeeper furnished with the*

Cost of 2 Dynamite I
two I cannot ~~sell~~ ^{sell} them
to you under \$.85 p.o.b.
New York as the labor
& material on them cost
me over \$ 1.60. So please
con. sider my previous
quote ~~to be~~ cancelled

Sept 25-00
Blair

1883-10-05

Subject: _____

ANDREW STANGE,
President
JOHN M. CLARK,
Vice President & Treas.
D. H. LEVINSKY,
Secretary
GEO. H. BLUM,
1883-1884
P. D. JOHNSON,
Engineer.

Western Edison Light Company,

51 and 53 Wabash Avenue,

MEMBERS:
THOMAS A. EDISON,
ANDREW STANGE,
J. M. CLARK,
J. H. LEVINSKY,
GEO. H. BLUM,
JOHN M. CLARK,
ANDREW STANGE,
P. D. JOHNSON.

IN REPLY TO YOURS OF

Chicago, Oct 5 1882.

Friend Edison:

Col. C. W. Washburn of Mil-
waukee, Wis. was here today
and is disposed to come into
the Edison camp.

He has made a good fight
for the United States interest
but is now thoroughly dis-
satisfied.

He has been very vigorous
in the use of the Kings' tongue
on the other side but can do
us much good when thoroughly
converted.

Sinc. Yrs.

Geo. W. Bliss

1882-10-06

Subject: WIRING --- POR --- HEAVY --- PERCENTAGE OF LOSS.

Adviser: President
John M. Case, The First and Free.
D. H. Lockwood, Engineer
Geo. H. Blair, Chief Eng'r.
P. D. Johnston, Engineer.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS:
Thomas A. Edison,
Amos Starr,
J. W. Deane,
Edw. H. Smith,
Rufus Wilson,
Gabe Sisco,
John M. Case,
Geo. Corwin,
Anthony F. Stearns,
Z. G. Deane.

CHICAGO, 6th Oct., 1882.

Mr. Thos. A. Edison,
65 5th Avenue, N. Y.

Dear Sir: There are some places where plenty of water power can be had at a nominal price, (say from \$2.50 to \$5.00 per horse power per year).
How would it answer at such places to wire on the basis of a loss of twenty to twenty five per cent current? I suppose if A lamps are used from such a system of wires their candle power would be much lower than the difference between five and twenty five per cent of the wiring. Can this be remedied by increasing the speed of the armatures and would the armatures be likely to stand the service without heating?

Sincerely yours,
Geo. H. Blair
Gen. Supt.

you can figure to lose 20 percent and still get the proper volts at lamps to run them from C power - you would have increased speed of lamps so it would not heat any more except the bearings might heat =

60 x 4.6 1 1/2 K
100 2
100 2
100 2

39

Oct. 6. 82

Bliss

Using for logs

Lab on computer

Subject: STORAGE BATTERIES.....

AVENUE STREET,
President.
JOHN M. QUINN,
The First and Park.
D. H. LESTERMAN,
President.
Gen. H. BUSH,
Gen'l Mgr.
P. D. JONESON,
Engineer.

Western Edison Light Company,

51 and 53 Wabash Avenue,

1882-10-06

DIRECTORS.
THOMAS A. EDISON.
JAMES GILLES.
JAS. B. GRANT.
J. W. CRIST.
SAMUEL MERRILL.
BURNHAM WILLIAMS.
EDGAR KATH.
JOHN H. CANT.
JOHN CHASE.
ANTHONY F. SEEVERS.
Z. G. SWINDE.

CHICAGO,.....Oct.,.....6th,.....1882.

Mr. Thos. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

It charging storage batteries if the dynamo runs
at different rates of speed how does the irregularity
affect the current when drawn?

Please reply at your early convenience.

Sincerely yours,

Geo. W. Bliss
Gen. Supt.

16 ~ 2 4 ~ 2
6 ~ 4 ~

Subject: WIRING FOR 20 PER CENT LOSS.

1882-10-13

ANDREW STANGE,
President.
JOHN M. CLARE,
Vice-President and Secy.
D. H. LOUGHEED,
Manager.
Geo. H. BUSH,
Supt. Eng.
R. D. JOHNSON,
Inspector.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS:
THOMAS A. STONE,
ANDREW STANGE,
J. B. CLARK,
J. W. DAVIS,
GEO. H. BUSH,
NORMAN WILLIAMS,
GEO. W. KYLE,
JOHN M. CLARE,
JOSE CARRAN,
ANTHONY F. FITZGERALD,
Z. B. BOWEN.

Chicago
The Carbon
Sketch of the 20 per cent

13th Oct., 1882.

Mr. Thos. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Yours of the 10th at hand. Please accept thanks for the carbon buttons you have ordered sent.

In regard to storage batteries, does the size of the plates and the number of series determine the Electromotive force and quantity of the discharging current?

In wiring on a twenty per cent basis, supposing there were to be one hundred lights one thousand feet away, the mains being 20 per cent and the distributing one two & one-half per cent, would it answer to put in another 100 lights at half the distance, figuring their portion of the conductor on a basis of twenty per cent and the distributor basis 2 I-2, or must all of the lights be at the end of the 20 per cent main to get good results?

Sincerely yours,

Gen. Supt.

The 100 lights on the 10th det...
in order to get your second 100 lights...
be run on a main having
2 1/2 pct loss from a feeder
& a second feeder used
The whole thing is to never have
but 2 1/2 pct loss from a feeder
you can lose what you please on the
lamps are put in

and sketch of the 20 per cent

[ATTACHMENT]

Handwritten scribbles and symbols, possibly representing a signature or initials, including a large 'S' on the left and various loops and lines on the right.

Subject: CALCULATION FOR LOSS IN WIRING.

1882-10-25

Allen Street,
Chicago, Ill.
John M. Cullen,
City Dept. of Power.
D. M. Loveland,
Chicago, Ill.
Geo. H. Bliss,
100 W. 4th St.
P. D. Johnston,
Chicago, Ill.

Western Edison Light Company,

51 & 53 Wabash Avenue.
RECEIVED
OCT 28 1882
ANSWERED

DIRECTORS.
Thomas A. Edison,
Amos Clark,
John E. Lewis,
J. W. Spaul,
Samuel Merrill,
Nathan Wallace,
Edwin Hays,
John H. Clark,
John Clarke,
Anthony F. Scarsone,
E. O. Sweeney.

CHICAGO, 25th Oct., 1882.

.....35.....
WIRE NO.

Mr. T. A. Edison,
65 5th Avenue, N. Y.

Dear Sir:

Your favor of the 18th inst is at hand.
I understand that where different groups of lights
are run from one dynamo a separate feeder should be run
for each one, say at 20 per cent loss, and that the mains
shall be figured at 2 I-2.

Do you get the size of mains by figuring 2 I-2
per cent on the distance to the end of feeder, or on the
entire distance to dynamo?

I send a sketch showing the situation of a plant
which we propose to put in operation where we want the
feeders to be figured on a twenty per cent loss and inside
mains of the mills and residences on a 2 I-2 per cent
basis if our understanding is correct.

Sincerely yours,

For Geo. H. Bliss,

Gen. Supt.

H. H. Hubert

*2 1/2 per cent for mains
10 per " for feeders*

*2 1/2 per cent loss on
the feeder from cables
system = all
your groups must
be connected together*

*The feeders must
whole at 1 or more
points (2) feeders to feed
one point another point
it and the point is
but the difference is
will*

1882-11-11

750 Volt 2 1/2 No. 21300

RECEIVED
The Edison Company for Isolated Lighting,
NOV 11 1882

ANSWERED
GEO. H. BLISS, Agent,
Chicago, Ill.

CHICAGO, Nov. 1 1882

Dear Sir:

I read you intend making
a 750 Volt dynamo and
because it is for use in
connection with the Village
Plant system where 3 ten
Candle lamps are to be burned
in series.

Such a current must be
longer than to life and would
be a departure from the current
of your system viz. safety
& easy maintenance, as well as
what you do.

I sincerely hope you won't
do it.
Yours truly,
Geo. H. Bliss

1882-11-01

The Edison Company for Isolated Lighting,

51 and 53 Wabash Avenue,

Geo. H. Bliss,
Agent

RECEIVED
NOV 3 1882
ANSWERED

Chicago, Nov. 1 1882

A. A. Edison Esq.

J. B. [Signature]
FILE No. 3

Dear Sir:

I wish that informal Examination Com-
bination had next been made or that the Edison
Co. had not joined it.

There are the Van Dextele, Excellent,
Daft, Johnson, Parker, Mitchell and a host of other
Companies slashing into and disorganizing
and not a finger is lifted to prevent it.

The Public impression is that the Com-
bination is so weak it cannot defend its rights
or that they do not care to on account of
weakness in Patent.

When Warburton & Moore took up the
tortured wire Patent they assailed infringers in
the Courts and won the business.

These Patents had no comparison in
strength to the Electric Light Patents.

Capitalist fiat litigation are cast be
Cajbled into previous Companies if it must be faced.
Parker will not go into Confusion and Roy
a large share of their capital by right unless bene of
vigorous protection.

I wish the Edison Co. would assume
an aggressive position in regard to its Patents and
go it alone if necessary.

Geo. H. Bliss

Subject: _____

1882-11-23

ARTHUR STAGER,
President.
John M. Clark,
Vice President & Gen.
D. H. LECHEMAN,
Secretary.
Geo. H. Burr,
Gen'l. Asst.
P. D. JONATHAN,
Exploiter.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS:
Thomas A. Edison,
ARTHUR STAGER,
John B. Dwyer,
C. W. Dwyer,
Samuel Merrill,
Norman Williams,
Charles Allen,
John M. Clark,
John C. Allen,
Anthony F. Scerifano,
E. G. Swain.

CHICAGO, NOV. 23, 1882

T. A. EDISON ESQ.,
65 FIFTH AVENUE,
NEW YORK, N.Y.
DEAR SIR:

THIS WILL INTRODUCE MR. G. L. SMITH
TO YOU I COMMEND TO YOUR FAVORABLE ACQUAINTANCE.
HE HAS BEEN KNOWN TO SOME OF OUR OFFICERS FOR A
NUMBER OF YEARS AS A RELIABLE GENTLEMAN OF LARGE BUSINESS
EXPERIENCE AND ABILITY.
HE IS INTERESTED WITH SOME OF THE BARBET FRIENDS TO
THE EDISON LIGHT WHO HAVE YET BECOME ASSOCIATED WITH IT
IN THE WEST.
I UNDERSTAND HE DESIRES TO PRESENT AN ENTERPRISE TO
YOUR NOTICE AND HOPE YOU WILL BE ABLE TO SPARE THE TIME
TO GIVE IT CONSIDERATION.

SINCERELY YOURS,

Arthur Stager

Subject: PERCENTAGE OF LOSS IN WIRING.

1882-11-08

ARTHUR STANLEY, ^{President}
JOHN M. CLAY, ^{Vice President}
D. H. LOUGHEED, ^{Secretary}
Geo. H. BURN, ^{Chief Eng.}
P. D. JOHNSON, ^{Super.}

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS:
THOMAS A. EDISON,
JAMES SWIFT,
J. B. DODGE,
E. W. DODGE,
SHERIDAN WELLS,
EDWIN HENRY,
JOHN M. CLAY,
JOHN CRANE,
ANTHONY F. BENDERER,
E. G. DENSON.

CHICAGO, 8th Nov., 1882

Mr. Thos. A. Edison,
65 5th Avenue, NY. Y.

Dear Sir:

Please reply to my question of some days ago about the percentage used in calculating the size of the mains where feeders are made at a ten per cent loss?

Do you figure the 2 I-2 per cent mains back to the machine or to the point where they connect with the ten per cent feeders?

Sincerely yours,

Geo. H. Burn
Gen. Supt.

1883-11-10

Subject: #C DYNAMOS.

Asst. Secy.
John M. Carter,
Per. Prof. and Typ.
D. M. LINDBERG,
Gen. M. Supt.
O. JOHNSON

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS
Thomas A. Edison.
Amos Starr.
John B. Davis.
J. W. Davis.
Samuel Merrill.
Hiram Wallace.
Edson Kent.
John M. Clark.
John C. Brown.
Anthony F. Steinweg.
Z. G. Bennett.

CHICAGO, 10th Nov., 1883

*Ans'd
17th Nov 83*

Mr. Samuel Insull,
65 5th Avenue, N. Y.

Dear Sir:
October 17th Col. Goddard advised us that you
would write us fully in relation to "C" dynamos.
Thus far we have received nothing from you on the
subject.

Sincerely yours,

Geo. W. Alvest
Gen. Supt.

1882-11-11

Subject: _____

ANDREW STANGE, President
JOHN M. CLARK, Vice President
D. H. LOVINGSIDE, Secretary
GEO. H. BUSH, Cashier
P. D. JOHNSON, Auditor

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS:
THOMAS A. EDSON,
ANDREW STANGE,
JOHN M. CLARK,
J. W. DOUGLASS,
EDWARD WHEELER,
NORMAN WILSON,
EDSON KIRBY,
JOHN M. CLARK,
JOHN CRITCH,
EDMUND F. BEECHER,
Z. G. SWANSON.

Chicago, Ill. 1882

A. A. Edison Esq.

Dear Sir:

Your of 8th at hand.
You are morally and legally
entitled to a monopoly of the
Condenser Light Co.
If you don't want to be forced
into competition and lose a
large amount of the credit
and profit in the Electric
light field as was the case
with the telephone just your
foot on the enemy's neck.
Your friends cannot afford to
be taxed 40 or even 30%
without protection.
Don't think I am alarmed.
We have our hands full

1882-11-11

Subject: _____

ANDREW STANGE, President
JOHN M. CLARK, Vice President
D. H. LOVINGSIDE, Secretary
GEO. H. BUSH, Cashier
P. D. JOHNSON, Auditor

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS:
THOMAS A. EDSON,
ANDREW STANGE,
JOHN M. CLARK,
J. W. DOUGLASS,
EDWARD WHEELER,
NORMAN WILSON,
EDSON KIRBY,
JOHN M. CLARK,
JOHN CRITCH,
EDMUND F. BEECHER,
Z. G. SWANSON.

IN REPLY TO YOURS OF

Chicago, _____ 1882

of business are the out-
look in Holland's,
I am a little suspicious
of a 300 Volt current
but if you say it is
safe shall not consent
in for

Res. Yr. Servant

Subject: _____

1882 - 11 - 14

ANSON BRADEN,
President.
JOHN H. CABLE,
First Vice-President.
D. H. LITTLEWOOD,
Secretary.
GEO. H. BUSH,
Cashier.
P. D. JOHNSON,
Payroll.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
TRUMAN A. EDISON.
ANSON BRADEN.
JOHN H. CABLE.
D. H. LITTLEWOOD.
GEO. H. BUSH.
EDGAR KELSO.
JOHN M. CLARK.
JOHN CLARK.
HENRY F. SHERMAN.
Z. G. SWANICK.

CHICAGO, Nov. 14 1882

Genl Inaull Esq.

Dear Sir:

I recently gave a letter of introduction to Mr. Edison to Mr. D. E. Smith. This was done to oblige Mr. W. J. Roper who had such a strong bias of the Edison Light at Appleton Wis. I have known Mr. S. a long time as a man of ability and great enterprise. They are interested in some certain property between the Calumet & Mela & the Occula Mine at Lake Superior. The first has paid \$20,000 and the latter is good. One part of a vein may be good and other not but they claim this ground will stand rigid investigation. Roper is one of those men who know nothing we found. I believe you could arrange an interest of Edison if he so desired a favorable ~~turn~~ - Perhaps Col. Mc Donogh or some one who has time, that Mr. Edison knows, could put the matter through. I dislike to bring up any outside matter but the manner in which this came about and its character, make an exception.

Yours,

Geo. H. Bush

Subject: _____

1882-11-18

ANSON BRADY,
President
JOHN M. CLARK,
Vice President
D. H. LUGGESSON,
Secretary
GEN. H. BLISS,
Chief Eng'r.
P. D. JOHNSON,
Engineer.

Western Edison Light Company,

51 and 53 Wabash Avenue,

DIRECTORS.

THOMAS A. EDISON,
JAMES SPENCER,
J. B. CLARK,
J. W. DAVIS,
SAMUEL WHEELER,
HERMAN WILLIAMS,
EDWIN SMITH,
JOHN M. CLARK,
JOHN CHAPIN,
SAMUEL F. BRIDGES,
E. G. SENEAL.

IN READY TO SEND TO

Chicago, Nov. 18, 1882.

P. A. Edison Esq.,

Dear Sir:

I send you a copy of
today's Tribune containing an
account of the Electric Storm
of yesterday.

My agent Albert at Mil-
waukee had an Edison 8 candle
lamp and burned it several hours
on a wire from an atmospheric
current.

When nature gets up the
"best" in this way it does not
argue well for the Machine
works but the brakes for the
lamp facility will never be
entirely good.

Yr. truly

Geo. H. Bliss

Subject: E DYNAMOS.

1883-12-01

AMOS STAGER,
President.
JOHN M. CLARK,
Vice President and Treas.
D. H. LORING,
Manager.
GEO. H. BURN,
Gen'l. Agt.
P. D. JOHNSON,
Payroll.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTORS.
THOMAS A. EDISON.
AMOS STAGER.
JAC. B. BRADY.
J. W. CLARK.
SAM'L. MERRILL.
NORMAN WILGAM.
EDWIN WORTH.
JOHN M. CLARK.
JOHN CHASE.
ANTHONY F. SEIBERGER.
E. G. SWANICK.

CHICAGO, 1st Dec., 1883.

Mr. Thos. A. Edison,
65 5th Avenue, N.Y.

Dear Sir:

Your favor of the 29th ult is at hand.
I am greatly pleased at your determination to give
us a good E dynamo.
I wish its capacity might be doubled, or at least
increased ten lamps; The demand for such machines would
be good.
Please let us know how soon the improved E
dynamo can probably be had.

Sincerely yours,

Am. W. Stager
Gen. Supt.

We shall not have any of
Dynamos for sale for some
time to come. We do not mean
to build any until we have a good
order.

9
RUSSELL HOUSE,

Mayfield

V. J. SUTHERLAND, Proprietor.

DETROIT, Dec. 11th 1882

Thomas A. Edison -
New York City
N.Y.

Dear Sir,

I was sent out by the Chicago Company and for a short time was working at Ludington and McConite in the northern section of this State. - Then went to Grand Rapids where I found the situation a peculiar one, regarding electric light matters. - There was a local Brush Company doing business there having about one hundred and fifty thousand dollars invested in machinery and water power (principally water power) and holding a contract with the city for some twenty all-night lamps and perhaps forty more private

2 Eleven o'clock lamps. -
The Fuller Company a few
months previous appointed Wm
H. D. Wallen Jr. their State Agt,
and he went to work and by
energy and bluck has succeed-
ed in getting the city contract
from the Brush Co. and most
of their private customers
together with additional city
and private lights until he
has now about two hundred
Fuller lamps in circuit. -

The Brush Co. has now entered
into a contract with the
United States Company for
the purpose of introducing
the Maxim and Weston lights
and by so doing defeated a
sale I had about closed to
Light Powers Opera House - Mr
Powers being the owner and
interested in the Brush Co. -

This move also tended to prevent
other sales as promise was
made public that they would
furnish better and cheaper
incandescent lights than
the Edison. -

The Brush Co. on one hand
and Mr. Wallen on the

RUSSELL HOUSE,

E. J. SHREFFERIN, Proprietor.

DETROIT, _____ 188

3
other have interested about
every capitalist in Grand
Rapids that can be induced
to invest in Electric Light Companies.

Now Mr. Wallen is willing
and anxious to become
identified with our interests
and will put his energy, knowl-
edge of the business, and present
plant into an Edison Company
at Grand Rapids, also his
right of way through the streets
free of expense to the proposed
company, and will cease exploiting
further in the Fuller interest. -

His present Fuller plant is setting
about 200% profit, and will be
lived over at actual cost,
and will allow an equitable de-
duction for depreciation on same. -

4 Mr. Wallen was formerly
Genl. Supt. and Pass. Agt. of the
Chicago & N. W. R. R., and is
present sole owner of the
Michigan Iron works at Grand
Rapids. - His knowledge
of and success in the electric
light line would aid materi-
ally in interesting capital. -

(Having spent some time
in Grand Rapids and studied
the situation closely, I am led
to believe that with Mr. Wallen's
aid, a strong and successful
Company can be quickly
organized and set work.)

The Brush Co. are working
energetically putting in new
water wheels - are working night
by electric light, and it will
result in giving them decided
advantage if they get their
plants installed first and
secure long contracts with
customers as they propose
doing. - Again, the home
Brush Co. of Cleveland are
endeavoring to interest Mr. Wallen
in the introduction of the Swan
lamp. - I think however

RUSSELL HOUSE,

V. A. CHITTENDEN Proprietor.

DETROIT.

188

I succeeded in convincing
Mr. Wallen that our system
is preferable to any other - all
things considered. - For he has
pledged himself not to
close an arrangement with
the Brush people without first
letting me know. -

I have been told all along
^{myself speaking for}
by the Chicago Company, that
they would arrange this matter;
In the mean time our interests
are certainly suffering at
Grand Rapids. - I am not on
here to work up Detroit knowing
this, and I now am simply
seeking to do my duty to the
interests I represent in their
entirety. -

After several weeks delay

doubting in what direction
our real interests lay, and at
the same time feeling uncertain
how best to set his order
not to prejudice my own
interests, I have finally con-
cluded to write you a personal
letter stating as briefly as
possible the exact status of
these affairs as I understand
them, and solicit a direct
and candid reply. -

For one reason only I ask: -
Please consider this letter in
strict confidence. - I don't
seek to know anything about
the affairs of the Company, they
may decide I should not know
my sole aim in this connection
is to expedite matters at Grand
Rapids and in so doing get
ahead of the U.S. and those
people who are trying to hold
our interests back at every
point. - If we hold them back
also, by non-action when
opportunities offer, they must
surely suffer irreparably. -

My one reason for suggesting secrecy
is, that the Chicago Company might
see wrong in the bare fact of my
having written this letter, no matter

RUSSELL HOUSE,

W. J. CHITTENDEN &
L. A. MCCREARY, Proprietors.

DETROIT.

188 -

7
How pure the motives prompting, -

The National Bank Examiner
for this State (Mr. C. S. Dyer) came
down from Grand Rapids to see
me last Thursday regarding
this matter. - He will take
stock in the proposed company
and is very anxious to see we
succeed in Grand Rapids
(his home) Mr. Barnett

Pres. 1st National Bank L. T. C.
would advise you fully regarding
the energy, reliability and influence
of Mr. Wallen. -

Geo. W. Cass the Rail Road
millionaire is father-in-law
to Mr. Wallen and backs him in
his business. -

I have been at work
here a week with flattering

I prospects for several
immediate orders, among
them the "Detroit Free Press".

I'll forward you a packet
of Detroit papers with
articles referring to the
work here, believing that
anything tending to aid
in building up a system
you have devoted so much
time to will be of interest.

An early reply will oblige,

Yours sincerely
John R. Markle
Russell House
Detroit,
Mich.

RUSSELL HOUSE,

E. J. SHELDON & CO. Printers.

DETROIT, Dec 11th 1882

Thos. A. Edison
New York City
Dear Sir - I
neglected to enclose you
the clipping herein; in
letter just mailed you &
send now -
Yours truly
John R. Markle

Mr. Edison,

1882-12-16

The Chicago Company has finally failed in passing its ordinance through the Board of Aldermen. The vote was a very close one. Our Company had 15 votes and the gas people had 16.

S. B. Eaton

December 16th, 1882.

per M.G.

Subject: DIRECTORS' MEETING.

1882-12-29

ALLEN STILES,
President.
John M. Crane,
First Vice-President.
D. H. Leachman,
Secretary.
Geo. H. Burt,
Chief Cash.
P. D. Johnson,
Treasurer.

Western Edison Light Company,

51 & 53 Wabash Avenue.

DIRECTOR.
Thomas A. Edison.
ARTHUR STILES,
Jas. B. Stone,
J. W. Stone,
Samuel Merrill,
William Williams,
Edwin Stone,
John M. Crane,
John Conant,
Anthony F. DeBorja,
E. G. Stone.

CHICAGO, Dec. 29, 1882.

Mr. Thos. A. Edison
65 Fifth Avenue.

Dear Sir:

The regular meeting of the Board of Directors of the Western Edison Light Company will be held next Tuesday, January 2nd, at 570 o'clock P. M., at the office of the Company.

Please be present.

Yours truly,

D. H. Leachman
Secretary.

(Initial)

WESTERN EDISON LIGHT COMPANY.
Capital \$ 500,000.00

List and amount of original subscriptions.

Anson Stager, Trustee, for the Parent Company,	\$ 100,000.00
John S. Truitt	40,000.00
J. W. Hoare	40,000.00
Samuel Merrill	40,000.00
Morgan Williams	40,000.00
Edson Faith	40,000.00
John M. Clark	40,000.00
John Crerar	40,000.00
Anthony C. Schaeffer	40,000.00
W. C. Simmons	40,000.00

Of the original subscription, the following amounts have been apportioned to the following persons:

Moody E. Jones	\$ 5,000.00
Geo. W. Pullman	10,000.00
Geo. E. Adams	5,000.00
Geo. H. Bliss	2,000.00
J. R. Merritt	2,000.00
W. R. Stillwinkle	1,000.00
P. E. Johnson	2,000.00
D. M. Joubertack	10,000.00
G. E. Perkins	10,000.00
Chas. Pargo	10,000.00
Geo. Sturges	5,000.00
Saml. W. Allerton	5,000.00
G. R. Chesbrough	10,000.00
W. B. Mayne	10,000.00
R. C. Glover	10,000.00
G. B. Parvill	10,000.00
John V. Parvill	10,000.00
Edward H. Williams	10,000.00
J. R. Eaton	5,000.00
John L. Thompson	5,000.00
O. A. S. Sprague	10,000.00
P. H. Sheridan	5,000.00
T. V. Macshier	1,000.00
John Roper	1,000.00

Geo. C. Clark	\$	1,000.00
Trent & Woltz		2,000.00
C. D. Seabrook		5,000.00
Alfred Gowles		5,000.00
Wm. H. Rane		5,000.00
Henry Elliott		5,000.00
Marshall Field		10,000.00
H. W. Bishop		5,000.00
Wm. H. Smith		5,000.00

RECEIVED
 BY
 J. H. ...
 ...
 ...

1882. Exhibitions (D-82-042)

This folder contains correspondence relating to the Edison exhibit at the Crystal Palace International Electric Exhibition in London in 1882. Included also are accounts dealing with Charles Batchelor's expenses at the Paris Electrical Exhibition in 1881.

Approximately one-third of the documents have been filmed. The following categories of documents have not been filmed: bills of lading; circulars relating to exhibitions at which Edison did not participate.

English Light

Light at Crystal Pal

CRYSTAL PALACE INTERNATIONAL
ELECTRIC EXHIBITION.

The Edison Electric Light System.

T. A. Edison

DEAR SIR,

To-morrow, Tuesday Evening, January 17th, I hope to light experimentally the Concert Room at the Crystal Palace, with the Edison Electric Light.

I shall be glad if you will favour me with your company on this occasion, and will pardon this short invitation and any shortcomings that there may be consequent thereupon.

Collation at 7 P.M. Morning Costume.

Yours faithfully,

EDWARD H. JOHNSON,

Manager.

THE EDISON ELECTRIC LIGHT SYSTEM,
57, HOLBORN VIADUCT.

January 16th, 1882.

*P.P. Be sure to put in an appearance
All these people expect to see you*

Edison thought
you might like to
see this. Edison,
Paris, Jan. 23. 83

I have just returned
from a trip to London, or rather to the
Exposition, or I might with truth say
to the Edison Exhibit at the Crystal
Palace; for with the exception of the
Wetton lamps, run by the E. Light and
Power General Company, there was
nothing of any importance besides
your dynamo and 350 of your lights.
Last Tuesday, the day I arrived,
Johnson had invited about 125 guests,
engineers and press, to witness the first
display. The dinner was to be served
at 7, and at last the safety plug
blew out of the Roly Engine! However,
the feast was not delayed. By the light

of the customary kind of gas jets, the dinner was gradually consumed, everyone enjoying the meal but those of us who were waiting for the repair of the damage. Of course when the accident happened, we wanted as soon as possible to be able to find out the extent of the damage and the possibility of starting up again that night. So as soon as the clouds of steam had disappeared, cold water was poured over the boiler, after drawing the fire, and as soon as a man could get in, the field was surveyed. In the mean time Johnson entertained the guests. The last course had been served and cigars

and coffee ~~was~~^{being} served when a messenger announced that in fifteen minutes the light would be turned on. This Johnson communicated in a cool little speech, and asked for a little more patience. Then when the moment came, the dinner commenced a little fireworks with the switches, which took immensely. These speeches began in which the Chairman & Col. Howard made capital ~~the~~ speeches, the Colonel relating in a most entertaining way how you recommended Johnson for his mission, and how fortunate all were in leaving him again in England.

The illumination was very pretty, a chandelier effect being most striking

the
a few lights, by reflection from a white
screen and passing through chains
of faceted glass, seem to come from
ten times their quantities.

I examined the E. E. L. Lipton
building 57 Holborn Viaduct,
and was very much pleased with
the whole work. On Thursday
night there was a grand display
from 4.00 lights in the office etc.
Wire an laid for all the lights the
two machines will carry. Hood
has his dynamo in his top order
everything is compact and handy.
Col. Gouraud seems to be working
everything and every body with his
usual ability and Johnson is 'all
right'.
Yours faithfully,
Otto Schlozer

Paris-France - Mch 31 1882

Thos. A. Edison Esq. Dr.
To Chas. Batchelor

In Expenses on 1/2 of Auto-	
Graphic Telegraph Condi-	
tion at Paris in 1881	
Chas & W. Minny	2197.36
Road paid for W. Minny	41.80
Post & boy	105.00
Battery, shoes, hats etc	417.40
	<hr/>
	2511.56

To 2511.56 at 5.20 =

\$540.68

Chas

Thos. A. Edison Dr.
To Chas. Batchelor
Paris

1882	
Mch 31	To private A at Exposition
	d'Electricité -
	Labor and board
	Batteries etc all sent to London.
	at 5.20 & 1/2

869.16

652.53

To 1221.69

\$234.88

Chas

Statement

Apr. 1st 1882

Mrs A. O'Brien in A/c with
Chas. Paris

Paris France
Dr. Cr.

	Balance as per Mr. Duval's last statement July 19 1881	4997 04
Dec 1881	Cash to Lumiere Electricque	19 25
Feb 15 1882	Brandon bill (Cash)	23 10
" "	Cash to Oldenburg (Himmel)	6 66
Mar 11 1882	Cash to Brandon bill	23 10
Mar 31 1882	Personal A/c at Copenhagen	234 88
	Aerographic A/c at "	540 68
	O'Brien Senior P.R. testimony	50 00
		<u>\$ 8894 71</u>
		799 72
		89767

42

The Edison Electric Light Company, Limited,

74, Coleman Street,

London, E.C.,

July 10. 82

Hammur

July 10. 1882

Accd to order
1/4

Mr. P. A. Edison.

Dear Sir

Enclosed you will find the necessary papers which Mr Batchelor & I have prepared for the passing of the retained Electrical Exhibits through the Customs House free of charge as agreed by the United States Government. Trusting you will find everything correct and have no further trouble therewith.

I remain

Very sincerely yours
Wm. J. Hammer

P.S. The Goods will be shipped for Persian Consignee from Milwall Docks
July 20/82
WJH

1882. Insull, Samuel (D-82-043)

This folder contains correspondence and other documents relating to Samuel Insull's role as Edison's private secretary, along with occasional items pertaining to his private life. Letters addressed to Insull in his capacity as Edison's secretary or representative that do not fall under the main subject categories are generally filed in this folder. Numerous other letters addressed to Insull, which relate to one subject or to the business of one particular company, can be found in their appropriate subject folders.

All documents that provide significant information about Edison or his companies, along with a few significant pieces of Insull's personal correspondence, have been filmed. Routine correspondence relating to the various Edison organizations has not been filmed. Included in this category are routine letters pertaining to bookkeeping, the ordering of supplies, and the shipping of materials; letters of introduction; and requests for Insull to act as an intermediary with Edison.

Most of the documents relating to Insull's private affairs have not been filmed. Included in this category are personal correspondence and accounts unrelated to Edison's activities; information about Insull's membership in clubs and societies; documents relating to Insull's role as a caretaker for the estates of various Edison associates, such as Edward H. Johnson and Charles Batchelor, while they were overseas; and correspondence pertaining to Insull's buying and selling of electric light stock.

Approximately 80 percent of the documents have been filmed.

THOMAS A. EDISON,
MENLO PARK, N. J.

20
Jan 5 1862
Hughes

Mr. Saml. Small
Dear Sir,

3rd - Arrived with
H. J. & Co. Comatres
and via C. & N. J.
arrived by freight
to New York City
night. Also sent by
freight to Benjamin
C. & Co. head Cant-
aining 17 boxes
by John's
large hat
I could not go by
Express.

Truly
Yours
Chas. S. Hughes

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company's **TERMS AND CONDITIONS** are printed on the reverse side of this message, and the sender is notified to refer to the same in the event of any dispute. The Company is not responsible for the loss of messages or for the delay in their delivery. This message is **UNREPEATED** unless otherwise indicated by request of the sender, under the usual conditions.

312 A. N. BROWN, Secy. *NY* MORVIN GREEN, President.

Dated *Canton* this *23* 188*8*

Received at **791 BROADWAY.** *Feb 23*

To *Thomas A Edison*

65-5 ave

Please send my money immediately I need it Mrs Philzable

READ THE NOTICE AT THE TOP.

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Miscellaneous

London Feb 25th 1882

Mr. Thomas A. Edison. New York

Sir,

As my money is due
on the first of the month, next as
it is a month back. I wish you
would send it to me as I need it.
respectfully
Lina Seibel

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message. Errors can be repaired except only by repeating a message back in the sending station for correction, and the company will not hold itself liable for errors or delays in the sending of the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. SOLENT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
18	Mrs. J.	Goodell	
Post Office Dep ^t			

Received at _____ 1882.

Dated New York, March 1st

To Dr. Insall 519, 7th St

Mrs Seibel here wants to go
on Thursday what shall I do fifty
seven cables patents thirty one
forty & forty two are issuing to whom
did you mail them
C. P. Mott

519 SEVENTH STREET,
Lock Box 100.

GEO. W. DYER,

ATTORNEY AND COUNSELLOR AT LAW,
(Specially, Patent)

WASHINGTON, D. C.

17th March

Dear Mott,

I have your various telegrams and will reply to the various cables when I get back Wednesday morning. No need for you to telegraph me tomorrow at all as I shall wait till I get in Wednesday morning.

Find out from the machine works exactly what wire they use for dumatikes and magnets of 2 machines. I need description of it when ~~you~~ get it from and what price & whether they get any discount. I shall want this information early Wednesday morning.

Enquire of Selby or Mayall whether where 30, 40

7425 ave (I presume
they are English Cases)
that is if you cannot
get ~~any~~ information from
Books & records in Dyers
Deck. If you cannot
get satisfactory information
at Fifth Ave go & see
Seubel. I shall want to
know this early Wednesday
as to Mr Seubel I had
telegraphed to you to get
him tickets & ask Messrs
Lator to lend you money
till I return. If she wants
any cash borrow this
as well -

Pell Bergmann to present
his English Bills to Dyers
for payment. Write Drexel
Morgan & Co ~~in~~ in my name
give them a copy of that
part of Johnson's cable
referring to ams return
them the same copy as

516 SEVENTH STREET,
LOOK BOX 136.

GEO. W. DYER,

ATTORNEY AND COUNSELLOR AT LAW,
(Specialty, Patents.)

WASHINGTON, D. C.

138

I ask them to send the
Lamp Co a check.
Tell Dean where Edison
is say he can reach
him by telegraphing
tomorrow but that letter
will not reach him.
I particularly want you
to tell Dean that I told
you to give him Edison's
address. Also tell Eaton
how he can reach Edison
by telegraph.

I will be back by
9 o'clock Wednesday
morning so do not
send anything at all
to me tomorrow.

Yours truly

Samuel Insull

Keep to yourself any check
in US Edison may send

	Miscellaneous
31 Remittance	Part 11/11/11 SI Rec'd 12
40 Mello in system	Part 11/11/11 SI 3431 11/11/11
41 Mello in system	Part 11/11/11 SI C. P. 11/11/11
42	Part 11/11/11 SI of 11/11/11
	33 Johnny Law

THE EDISON COMPANY
FOR ISOLATED LIGHTING.

47 1882-03-00
CHICAGO AGENCY,
ROOM 3, 113 LA SALLE ST.

CHICAGO, ILL., MAR. 20TH, 1882

SAMUEL INSULL ESQ.,
NEW YORK, N.Y.,
DEAR SIR:

YOUR FAVOR OF THE 10TH IS AT
HAND.

I THINK THE LETTER WHICH YOU HAVE WRIT-
TEN IN MR. EDISON'S NAME WILL ANSWER THE PUR-
POSE.

PLEASE ACCEPT THANKS.
SHOULD ANYTHING ADDITIONAL BE NEEDED I
WILL ADVISE YOU.

SINCERELY YOURS,


AGENT.

T. A. EDISON,

Menlo Park, N. J.,

European Light

Randolph
April 1st 1882
Mr. Insull
492

Mr Insull

There has been paid to
Mr. Insull's wife from July 7th
April 1st 1882 41 weeks @ 1200 per week
of 492.00

Very truly
John F. Randolph.

~~Letter 10/10/1882~~
New York 27 April 1882
Bidemann

My dear Frank,

Please give Oscar
an order for 40 feet of
Western Steel Sheet covered
Cable with one conductor
No 6 wire. - I mean the
large wire. -
Excuse for trouble from
giving you

Very truly Yours
Charles Bidemann

*Paid
10/20/82*

BERGMANN & CO. 37-

100-114 HOOPER STREET.

(BY APPOINTMENT)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES SPECIALTY.

Edison
New York, May 9 1882

Mr Samuel Knell

Dear Sir,

You would
greatly oblige me by sending
me the promised check as
I am in want of it, and
by sending me my salary
weekly.

Hoping that this may
receive your friendly attention
I remain

Yours Resp,
W. A. Stern

Form No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition of liability, which have been assumed by the sender of the following message, transmission or delivery of the respective messages, beyond the amount of bills paid thereon, nor in any case where the claim is not presented in writing within sixty days.

This is an **UNRECORDED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
7	M.A. H.S.		14 collect
Received at		M.K. 4.50 P.M.	May 23 rd 1882.
Special		London via N.Y.	
To		S. Sinsult	
Minto Park N.Y.			
Buy me Toronto Post- note			
to - Ordine dit 1 fifty money by			
Cable low notification			
Johnson			

confidential.

Included improvements upon
devices shown in present
47. ~~Patent~~ ~~and~~ ~~all~~ ~~my~~ ~~inventions~~
upon same lines - ~~exclude~~
~~Patent~~ ~~my~~ ~~protection~~ ~~must~~
I ~~will~~ ~~inventions~~ ~~and~~ ~~exclude~~
~~inventions~~ ~~in~~ ~~concern~~ ~~inventions~~ ~~which~~
lead to ~~radical~~ ~~changes~~ ~~and~~
such as direct conversion - see
my personal letter
what I want to protect is
the ~~invention~~ ~~of~~ ~~making~~
new ~~types~~ ~~of~~ ~~...~~

THE EDISON LAMP COMPANY,

Edison, N. J.

May 29 1882

Saml. Truitt Esq
Mumbo Park N. J.

Dear Sir:

Your letter
involving check for \$3000
for fifty European shares
duly received.

I will send you cer-
tificate of amount stock
for you to dispose of
six shares @ \$635 and
four @ \$650 within ten
days.

Yours Truly
Francis P. Upton.

47
under Protection of District No. 10
City of New York July 22, 1883

Dear Sir

I have the honor to acknowledge the receipt of your letter of the 17th inst. in relation to the proposed amendment to the Charter of the City of New York, and in reply to inform you that the same has been referred to the Board of Aldermen, and that they have on the 19th inst. passed a resolution in relation thereto, which is as follows: "Resolved, That the Board of Aldermen do hereby recommend the adoption of the proposed amendment to the Charter of the City of New York, and that they do hereby request the Board of Common Council to take the same into consideration."

The attached copy of the resolution of the Board of Aldermen is herewith forwarded to you, and it is to be understood that the same is subject to the action of the Board of Common Council, and that you will please call on the Board of Common Council at the City Hall, New York, on the 24th inst. to present the same to them for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
John W. Adams, Secretary of the Board of Aldermen

14
and put your name to them
or if that is inconvenient I
will have Mr Lullman
meet you at Edison the
first day you notify me
of your presence here.
This done and the
articles filed, the assignment
of patents will be made
to the Company and the
model sent at once to
Muelo Park for Mr Edison
experiments.
I write Mr Edison
immediately informing him
of the failure of the Governor

and put your name to them
or if that is inconvenient I
will have Mr Lullman
meet you at Edison the
first day you notify me
of your presence here.
This done and the
articles filed, the assignment
of patents will be made
to the Company and the
model sent at once to
Muelo Park for Mr Edison
experiments.

I write Mr Edison
immediately informing him
of the failure of the Governor

47

July 27. 82

Kelly

District Court,
11th Floor, 11th Avenue,
New York, July 27th 1882

My Dear Sir

The Agents for
Manufacturing
You are interested in
the expectation that you will be
come interested in advancing its
purposes; in the second place
to show my entire good faith to
myself in having you and
Senator Kiersey the friend of
me on the inside thereby meeting
and the favor with the Electrical
Council, notice to which was given

proposed forming a company
 and I thought you might
 think the matter fully worth
 that I am doing you a
 very good turn.
 I should be very
 glad to have you as an incorporator
 and trustee, if you please to
 do so. I am sure you will
 be willing to have your name
 on the list of incorporators
 and I will endeavor to get
 the same done as soon as
 I can. I am sure you will
 be glad to see the
 other matters of
 the company. Will you kindly
 let me know if you
 have any more business
 that you can and sign
 the same.

complete and if it is owing?
 I am sure you will be
 glad to have your
 name on the list of
 incorporators and
 trustees. I am sure
 you will be glad to
 see the other matters
 of the company. Will
 you kindly let me
 know if you have
 any more business
 that you can and
 sign the same.



TELEGRAPH
WORKS
OF THE
CITY OF PROVIDENCE, R. I.
U. S. BANK, SUPERINTENDANT.
T. HOWARD, SECRETARY.

WORKS
OF THE
CITY OF PROVIDENCE, R. I.
840 HIGH STREET.

Providence R. I. Sept. 1882

My dear Sir

Yours of 31st recd. You come
"Red Hook" as soon as you strike town to
10th, Wash^g St. - You will I suppose come by
Boat direct to Prov. and will not get up
so that you can without hurrying, show up
at home before 8 o'clock - if not advised to
the contrary I shall expect you Monday, Mr
Painly yourself at breakfast on Tuesday mornig.
If you cannot stop yourself, wouldn't you rather
be please to stay with us a few days for a
visit - we should be please to have him and
know that an acquaintance with Prov. would be
very pleasant.

Yours truly,
Frederic A. Hinckley
Jr

Saml Knapp, Esq }
Merrill Park St. }

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been printed on the back of the following message card. Messages will be delivered subject only to the conditions printed on the back of the card. This is a **UNREPLIED MESSAGE** and is delivered by request of the sender, unless otherwise stated. In writing, write any special instructions on the message card. **THEO. C. SACKETT**, General Manager.

NUMBER 341	SENT BY H. A. B. Y.	RECD BY 9 P. M.	CHECK 11.22
---------------	------------------------	--------------------	----------------

NORVIN GREEN, President.

Received at **79 1/2 BROADWAY.**

Sept 1888

Date *Providence R. I.*

To *J. Insull*

65-5 Ave

*All rights shall expect you
at home wednesday morning
P. Arrington*

This telegram has just been received at the office in 79 1/2 BROADWAY, near Tenth Street, where any reply should be sent.

DIRECT WIRES.



WORKS
OF
546 HIGH STREET.

HENRY HOWARD, PRESIDENT.
FREDERICK ARMINGTON, TREASURER.
G. C. SIMS, SUPERINTENDENT.
C. T. HOWARD, SECRETARY.

Providence R.I. Sept. 8. 82

*Dear Mr. Howard
Please not let Edmes know
that I am intent going to Europe with him as
the Gov. wishes it to be a surprise to him
When we "show up"*

H. S.

New York, September 29th, 1932.

65 Fifth Avenue.

My Dear Hatchelor:-

I have been going to write to you for about six weeks past, but some how or another circumstances have occurred to prevent me inflicting on you an epistle of any considerable length. About two weeks ago I got half way through a long letter to you, was called away from it, and was never able to finish it. You must excuse my negligence on the plea of the very great press of business that we have had here for some considerable time past. I will try now to wipe out the whole score.

LAMP FACTORY. I think it as well to deal with the most expensive subject first. The Lamp Factory still continues to absorb money right along. They are turning out at the present time from about 800 to 1000 a day and still lose on everything that they sell. Only two or three weeks ago Edison paid an assessment to them on your account of \$3,750. They have, of course, been at considerable expense in moving from Menlo Park and the place has been fixed up on a scale not to meet the present demands but rather to be in a position to deal with future requirements when the rush for lamps comes which must be in a very short time. Upton claims that as soon as he turns out 1500 lamps a day, he can do it without loss; 2000 at a slight return and 2500 at a snug little profit always providing that we can get a re-arrangement of the lamp contract allowing us to charge 40 cents for our lamps and giving a profit to the Lamp Factory of 3 cents per

lamp before dividing any profits that may be left after that equally with the Lamp Factory and the Light Company. This contract business I took up in the early part of the summer before Mr Ensey went away on his summer vacation, but since he has been back, although I have not made half a dozen appointments with him he has never kept them, always promising to take up the question the very next week. If we get this increased price on lamps it would appear that everything would be solid at the lamp factory. In addition to this we are going to claim from the Light Co. an amount equal to about \$50,000 for purely experimental work. We propose to debit this sum to the Light Co's account and wipe it out by means of crediting them with any future profits on manufacture that they may be entitled to after the Lamp Co. has received 5 cents per lamp as its regular profit. It would appear that at the present time the Lamp Factory absorbs about from 5000 to \$7500 a month in addition to the amount of their sales. Of course, as against this they have their ~~sakes~~ stock of lamps but for some time past their stock instead of increasing has considerably diminished and at present is not more than 50 or 60,000 lamps.

MACHINE WORKS. We have turned out a very great deal of work at Coeek St. this last few months. Whether it has been turned out cheaper and good your experience at Ivy will very soon inform us. All that I can say is that instead of losing money here now as heretofore there is some slight amount being made. Edison has taken out of the business ^{\$} 28000 and you

have been credited in account on my books with \$3800 being 10 per cent of same. The Machine Works carries about 550 shares of Isolated Co. stock and they pay their assessments by turning in machines as the Isolated Co. requires them. About \$35,000 (that is on the basis of the selling price of the machines) has at present been paid into this stock. We have got a large number of K, L, and Z machines on hand and no less than 7 central station machines. Our present work will be all cleared up in the course of a week or two and we shall shut down. We shall then probably have on hand about 10 Z machines, from 60 to 70 L machines and about 30 K machines and 5 or 6 central station machines. You will see that this is a very heavy stock for us to carry representing as it does from 130 to 140,000 worth of stuff. When this is all sold and our books balanced there should be a further amount of profit to be divided amounting to probably \$4000.00 *(including our invested in Isolated Stock)* Now, if you add these various amounts together you will see that the Machine Works is not in quite so bad a condition as it was some months ago and there is hope that there can be money made there. Mr Dean seems to give more attention to his business, has most decidedly improved, and is not now at loggerheads with everybody as was his wont when he first started in owing to an impression that he used to have that every ^{one} ~~thing~~ in this world must bow down on their bended knees and worship him.

CENTRAL STATION ENGINES. Our great trouble just now is with reference to the engines for our central station dynamos.

At Coerck St. we have 6 machines building for account of the Illuminating Co. and the same number which the Works is carrying as stock and up till a week ago we had not an engine to go with them and Edison was quite in a quandary as to what engine he would use and where he could get it. The Porter-Allen engine did not govern at all as he expected, those at the central station having given very considerable trouble. The Armington & Sims Co. have been months turning out a model engine for us, but they have at last got one to Coerck St. The tests on this will be made within a few days. I went down to Providence and made an arrangement by which the Machine Works is to build their own central station engines on a royalty of \$200 an engine, the engine to be used being 14 1/2 V 13 cylinder, such as the new model we now have in Coerck St. Whether Edison will avail himself of this license or will use Porter-Allen engines is just at the moment a matter of doubt. He wrote to you the other day stating that he should have to discard the Armington engine and go back to the Porter engine entirely in consequence of it being necessary to connect the governors of all engines in a central station with a special coupling arrangement so as to lock them together and make them run at the same speed irrespective of whether the load is thrown from one to another. At first he thought that he could not apply this device to an Armington engine. I have the impression now that within the last 2 or 3 days I have heard him state that he can apply it, but I will advise you of this later. Sims claims that two of their engines will run together, that

you can throw the loads ~~xxxxxxx~~ from one to the other with perfect ease and that they will regulate absolutely. They are now rushing their second engine which will probably be at Coerek St. within 10 days and then they will test two of them together and see if they obtain the perfect results which can be got with two Porter engines unless this coupling device is used. Edison says he is confident that they will not be able to do so. My electrical knowledge is too slight to ~~give you any assistance as to my ability~~ to describe the causes of this difficulty to you, but I will try to get Edison to dictate a letter to you on the subject within the next few days. All I can do is to state the facts and leave it to Edison to give you the theory. Up to 2 or 3 days ago it was quite impossible to run more than one G dynamo in the central station. The night before last Edison had this coupling arrangement for locking engines together tried and it worked with perfect success. He could vary the load just as much as he liked and yet not get a difference in the ~~xxxxxx~~ speed of the engine of more than 5 or 6 revolutions a minute. Paton, the French engineer, is now making the drawings of this device and ~~xxxxxx~~ and they will be sent forward to you as quickly as possible. I think it would be very difficult for us to state precisely as to whether the Porter+Allen or Armington & Sims engine will be used until after the test has been made at Coerek St. and the two Armington & Sims engines working together. Now this bug has been eradicated it would appear that the central station machines will work perfectly. We have been running with one machine at Pearl

St. now for about 4 weeks and it has given excellent results. There is no reason why as soon as this coupling device has been fixed up permanently we should not connect up 4 or 5000 more lights. At present we have consumers using our light constantly from Brexel, Morgan & Co's to the Times Building and from there down to the East River. Coates, of the Ansonia Co. told me the other day that he would not on any account have the light taken out even if it were to cost twice the price of gas. Edison told me two or three days ago that the light is costing the Illuminating Co. at the present time six dollars and a half a thousand feet but you must remember that we are only running 1000 lights; that the staff at present at Pearl St. could as easily run 6000; that the depreciation on the whole 10 miles of conductors and the general expenses is chargeable to one sixth of what will be the capacity of the present half of the station when it is running in full bloom. So Edison is very confident that everything will be all right so far as the economy goes. Johnson is assisting Edison in cutting in consumers and immediately Edison gives him the word to connect 4 or 5000 more he will put a large force of men at work and then we shall have probably the Edison boom that we have been so long hoping for.

PARENT STOCK. The parent stock has not sold at very high prices as yet in consequence of our lighting up. There were some few sales reported at \$625 but to day it is passing hands at about \$600. As, however, within the last two months there has

been at least 150 shares of stock thrown on the market, I consider this price extremely good and shows public confidence in the enterprise. About 4 or 5 months ago about 30 shares of stock were offered with the object of putting the market down and there was a drop of about 2 to \$300 in the selling price of the stock. I think as soon as 4 or 5000 lights are running we shall see a very considerable rise in Edison's stock, although as I have just stated it is passing hands at about \$600 there is practically none offering, everybody holding for higher prices. If I do not hear from you again on the subject I shall look upon your order to sell about 30 shares at \$850 as holding good.

ILLUMINATING STOCK. There is nothing whatever doing in this stock. There is a considerable quantity of it offered at par but there are no buyers and sellers will not let it go at a lower figure.

ISOLATED CO. STOCK. This is the favorite Edison stock at the present time. The Isolated Co. have just called up their last assessment and it is now fully paid stock and is selling at from 135 to \$140, that is from 235 to 240 a share. The Isolated Co. are doing an extremely good business. They do not put in any plants except on the basis of a gross profit of about 50 per cent. Their last great card has been an installation in the New York Herald Building at a cost to Mr James Gordon Bennett of about 16 or \$18,000. The whole ~~plant~~ ^{Building} is lit up from the ground to the garret with about six hundred 16 candle lights. The Herald people are awfully pleased with it. The engine and dynamo(s)

are situated in Ann St, the current being taken from there to the
 Herald Building. ^{*Benjamin Lutes*} Mr Bennett has been in the habit of paying a
 gas bill of about \$20,000 a year for the Herald Building. Most
 careful estimates show that his electric light will not cost ~~more~~
 him this sum by 7 or \$8,000. The Herald people are keeping an
 exact account of the cost of running to them, and I expect at the
 end of a year they will come out in their columns with a very
 strong endorsement of our isolated plants. This Isolated Co.
 two or three days ago closed a contract for lighting the Pilgrim,
 near Fall River boat. The contract is for \$14,000 and the profit
 on the job will be about 7 or \$8,000 gross. They have set more
 orders than they can fill at the present time and cannot undertake
 to install any plants under about three months. Edison has great
 hopes in the future of this stock. He bought some himself at
 \$110 premium. You will be entitled to over 50 shares of it from
 the Machine works and as soon as they have paid up all their assess-
 ments the stock will be sent to you and the account wiped off to
 profit and loss. They have about \$20,000 more to pay before this
 can be done. The Isolated Co. could declare quite a substantial
 dividend on their first years work. In case you may not have
 received them, I send you by this mail price lists of the Isola-
 ted Co. and a list of the places where their plants are at pre-
 sent installed. At Roselle, on the New Jersey Central Road, we
 are at present installing what is known as a village plant. I
 do not know whether Edison or myself has written to you on this

subject. The idea is to use pole lines as conductors with a current of ^{high} electro motive force running three 10 candle A lamps in series. This will be a miniature central station plant. It can be put up very cheaply and as soon as it is running and the tests have been made, I will let you know the result. Edison expects very great things of it and says it can be put in every village with very little capital and his figures show that it will return a profit of over 30 or 40 per cent on the cash investment. Moore, the General Manager of the Isolated Co., says that so far as he can see from actual experience with isolated plants Edison's figures are more than justified.

EUROPEAN CO. PUSKAS & RAILLY. You have received Bailly's report to the Directors of the European Co. He has made quite a good impression here since he has been over and seems to have wiped out entirely that prejudice which has heretofore existed against him. The Puskas & Bailly contract for representation of the European Co. in Paris has been closed, their 5 per cent of the parts of founder has been given them by contract and there seems to be a general feeling of confidence in the outcome of the European Co. which certainly did not exist here before Bailly arrived. Prof. Columbo has created an extremely good impression on Edison and Edison paid him the compliment of telling him that he must have mistaken his nationality, that he could not by any possibility be an Italian and he thought that if he looked up his ancestry it would prove that he was a Down East Yankee. Edison has very great hopes of the Milan

station. He thinks that it cannot fail to come out all right if Colombo gives his personal attention to it and so are using every effort to rush through the necessary supplies to enable Colombo to start his station on the 1st. of January. There is a movement here which has hardly assumed definite shape yet to put the European Co's stock on a strong basis by syndicating the shares of the large holders. If this comes to anything I will let you know. At present the stock is selling at about \$65, that is the last sale took place at that figure. There is not, however, any amount of it offered at a price that will average below \$75 and I doubt if a larger buyer came into the market if such could be picked up under \$90.

BERGMANN & CO. Some two or three months ago Bergmann heard that the United States Co's factory at the Cor. of 17th St. and Ave. A. was for sale. It is about 100 X 100 and has 6 stories. The reason that the United States Co. wanted to sell it was, they said, that they had better facilities in the Weston Co's shops at Newark, the Weston Co. being controlled by the capitalists of the United States Co. The fact is the United States Co? is somewhere about on their last legs and they were obliged to sell. Bergmann set a brother Dutchman to buy the property ostensibly for a cigar factory and he obtained it for \$77,000. With the property goes a magnificent 150 H. P. Corliss engine, boiler capacity for this and another engine of the same size, and all the main shafting, benching, and a lot of sundries which altogether with the property cost the United States Co.

about \$170,000. You may judge of the chagrin of the U. M. Co. when they discovered who had purchased the property as they had stated that they would not on any account sell it to a rival electric light Co. They offered Bergmann \$8,000 to let them off the bargain as notwithstanding that they were so terribly hard up they could not well afford to let the Edison interests obtain possession of their property. Of course, Bergmann & Johnson were deaf to any such entreaties as they had already got their contract. Johnson came to Edison and asked him to go into partnership with him and the firm of Bergmann & Co. at the present time is composed of Johnson, Edison and Bergmann, each holding one third interest. Of Edison's one third you own 10 per cent. For this one third interest including interest in good will of the business stock on hand, machinery, the new property, in fact everything, Edison is to pay about \$39,000 so that your 10 per cent of that will amount to about \$3,900. I have already debited to your account the sum of \$3,500 Edison having paid on account \$3,500. There is going to be a good deal of money made in this business. It is an extremely good thing and I consider the firm a very strong one and you will no doubt endorse my views. When the partnership contract is made I am going to propose to Edison that a paper is drawn up in which he assigns to you your 10 per cent interest of his one third. At the same time I shall get a paper drawn showing your 10 per cent interest in the Machine Works. I remember your telling me before you went away that you did not care for any contracts with Ed-

son. But these cases are different from any others. You invest actual money in the business and you ought to have something to show your legal rights in case of anything happening to Mr Edison. I think you will endorse my views on this subject which I consider are as much in Edison's interests as your own.

MENLO PARK. You will notice that this letter is dated from the Fifth Avenue. We have again moved in here from Menlo Park. Edison has taken a house at 25 Grammeey Park for 2 years. He instructed me to move my office in here and to move his library just as soon as I have a room fitted up at his house at Grammeey Park to receive it. He and his family move in this week. He has taken the top floor of Bergmann & Co's new premises as an experimental shop and will probably move his experimental force there immediately Bergmann obtain possession which will be in about a month. Do you not think this looks very much as if he will never go back to Menlo Park again? In informing me of his decision on this matter he told me that it was in consequence of the necessity of his being close to the central station. In the next breath he said he would never come near the city if it was not for the women constantly bothering him to do so. Johnson and myself are of the opinion that it is six of one and half a dozen of the other and that he wants to come in just as much as the women do.

YOUR ACCOUNTS WITH EDISON. I have been wanting for a month or so past to render you complete accounts for the year since you left here but about five days a week I have been obliged to be here in New York while my office and papers were at

Menlo Park. Immediately I get things straightened out here I will strike a balance and send you a copy of the account. I could not have set about rendering it earlier as there has been outstanding matters in connection with English Light and the Indian Colonial Light which require settlement before rendering your accounts. Your assessments are all paid up re the Lamp Factory, your assessment for 10 per cent for Edison's one third interest in Bergmann & Co's is paid and all that is outstanding is about \$1000 payable to the Machine Works. I cannot tell you off hand which way the balance is but I imagine that it is considerably in your favor. Please address all communications for Edison and myself to 65 Fifth Avenue for the future and believe me,

Very sincerely yours,

33

Westminster House

16 th Street

Dec. 6 1922

Harvard

Dear Mr. Insell

The bearer Maurice Crossman & my son in law has been for some time the Secretary and General

Manager of the International Bell Telephone Co, and is about starting in connection with his brother as a broker dealing principally in Telephone and Electric Light stocks.

Will you please give him any information you are at liberty to disclose and allow him to call upon you from time to time when he may desire to obtain such additional information as you will have in your power to give.

I am yours truly
Gardner D. Hubbard

1892-12-07

24 Zeland
Geo. J. G. Russell
Spencer

I have just
talked about stopping
the money. It is the
agent of Goodyear who
said the occupy with the
R.R. I think it would be
cheaper to continue his
for a few months than to
have him advise Goodyear
(as he certainly would) to
make us more of his land
and make us settle if we did
not. How does it strike you
- Laura -

1	American Light	30	Tiibe Co
2	St. Norway & Sweden	31	Louise's Journal
3	English	32	Menlo Park Factory
4	European	33	Laboratory
5	Louise's Contracts	34	Office
6	South American	35	Science
7	Australia & India	36	Fruit Experiments
8	Cuba	37	Miscellaneous
9	Edison Mchm. Wks	38	Photograph
10	Lamps Co.	39	Megaphone
11	Edison Telephone Co of C	40	Condiphone
12	.. Ore Milling	41	Ideas & Sug
13	Mocine Gold Mining Co	42	Paris Exposition
14	Copper Mine	43	Receipts
15	Telephone U. S. & Can.	44	Religianus
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21	.. French		
22	Automatic U. S.		
23	.. Foreign		
24	Quadruplex U. S.		
25	.. Foreign		
26	Autographic		
27	Type Writer		
28	Elec Pen		

To Oct. 1. 82

File Boxes

1	Light American	29	General Miscellaneous
2	.. Norway & Sweden	30	Expositions
3	.. English	31	Receipts & Acknowledgments
4	.. European	32	Foreign Orders
5	.. Gourauds Conts	33	Insull. personal
6	.. South America	34	Financial & Accounts
7	.. Australia & India	35	Estimates, Data, Etc
8	.. Spanish Colonial	36	Inventions offered & Eng
9	.. Sub. Cos. American	37	Audiphone etc
10	.. Foreign	38	Curves of Lamps meter
11	Edison Lamp	39	Scientific Enquiries
12	.. Wahn Uke	40	Petty Cash Slips
13	.. Ore Milling		
14	Telephone American		
15	.. Foreign		
16	.. Edison. Co of Am.		
17	Telegraph Automatic		
18	.. Quad & Duplex		
19	.. Autographic		
20	Electric Rail Road		
21	.. Pen & Type writer		
22	.. Tube Co		
23	Gouraud General	From Oct 1 after	
24	Mento Park	Oct. 1. 83	
25	Phonograph		
26	Edison Personal		
27	Application & Requests		
28	Ideas & Suggestions		

1882. Menlo Park Laboratory (D-82-044)

This folder contains correspondence and other documents relating to Edison's Menlo Park laboratory. Some documents concern experimental work undertaken at the laboratory. Other material deals with the closing of the laboratory and the disposition of its contents. Much of the correspondence is by two Edison associates, Thomas Logan and John F. Ott.

Approximately 20 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence with suppliers; routine intraoffice communications; accounts; bills.

T. A. EDISON,

File

Electric Light

Logan

Menlo Park, N. J., *Jan 18* 188*9*

Mr S. Insell

Dear Sir
yours of the 17th recd. in
regard to those lamps that
Mr Batchlor wants, we have
none here only those that Mr.
Edison made for experiments
there is 8 or 10 of them in very
poor condition I do not think they
will do for Mr Batchlor, he knows
about them and he asks to have
some made

Yours Respectfully
Thos Logan

enclosed is Mr Batchlor
letter

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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A. R. BEEVER, Secy. NORVIN O. SMITH, President.

Dated Merle Park N.Y. 1888

Received at 791 BROADWAY, New York
To Samuel Insull

READ THE NOTICE AT THE TOP.

*65 - save my
Will be in this
morning
J. A. Edison*

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE AN REPLY SHOULD BE SENT.

Direct Wires.

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720 1/2
J. A. H. NEWBY, Secy. J. EDWIN GREEN, President.

Day: NY Menlo Park ny 20 1882

Received at 791 BROADWAY. Feb 20

Ed. D. Insull

READ THE NOTICE AT THE TOP.

65 5th Ave

Will leave here at
three twenty this pm

Edison

File

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

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J. A. H. NEWBY, Secy. J. EDWIN GREEN, President.

Day: NY Menlo Park ny 20 1882

Received at 791 BROADWAY. Feb 21

Ed. D. Insull

65 5th Ave

Will not be at
Menlo tomorrow
J. A. Edison

READ THE NOTICE AT THE TOP.

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Month No. 1

102

THE WESTERN UNION TELEGRAPH COMPANY.

By the Company, who undertake to send messages and telegrams under the conditions limiting its liability, which have been set forth in the prospectus of this Company, and subject to the special notices, or conditions, and the time of day, in the prospectus of this Company, and to the regulations of the Western Union Telegraph Company, and the Company's agents, and to the regulations of the Western Union Telegraph Company, and to the regulations of the Western Union Telegraph Company, and to the regulations of the Western Union Telegraph Company.

A. B. BREWER, Secy. NORVIN GREENE, President.

Date March 28 1882

Received at 791 BROADWAY, mch 2

of Paul Inoull
65 5th ave

READ THE NOTICE AT THE TOP.

Can run tomorrow afternoon
When will you arrive
T. A. Edison

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wire.

Month No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

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A. B. BREWER, Secy. 328 NORVIN GREENE, President.

Date March 28 1882

Received at 791 BROADWAY, mch 28

of Paul Inoull
65 5th ave

READ THE NOTICE AT THE TOP.

Will be at Newark tonight
T. A. Edison

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wire.

T. A. EDISON,

Menlo Park, N. J.

Menlo Park, N. J.

Apr 11 1882

Hughes

Mr. Samuel Insull.
Dear Sir

Just got message from the belt feeders and Bobcock & Wilson that they will send week on Thursday AM. The works will be shut down on Thursday and Friday and possibly Saturday as far as running any machinery is concerned.

Yours truly,
Chas. S. Hughes.
Is there any thing on the carpet for Thurs

day night. if so I will
come in. I have an
engagement for
Friday night
Yours
Charlie

G. O.
PENNSYLVANIA RAILROAD CO.'S TELEGRAPH.

Received, _____ Office _____ Operator, _____ o'clk. _____ M. _____ 188
From NP 7/15/82 For _____

↓ Eltinger,
Has your company a ^{space} wire
that could lease from here to
Jersey City for private telephone
EXCW
747am
Edison

PENNSYLVANIA RAILROAD CO.'S TELEGRAPH.

Received, Office, Operator, o'clk, M. 188

From

JC 15

For

Mr Edison

Every wire that we have is
in use. should be pleased to
oblige you if we were in shape
to do so

W. S. Estlin

CW
E 752 pm

37

May 15. 82
Ettinger
Telephone wire

Pennsylvania Railroad Co.

Jersey City May 17 1888

J. A. Edwards Esq. Telephone Line
Meads Park.

Dear Sir,

The Anna R. Lewis is undergoing a general change and would not be advisable to have ~~any~~ a wire placed on the line until after all the change is made as they are liable to be in more or less trouble. There are also some gaps in the line which prevents us giving you a continuous wire. I have no spare conductors in cable to New York.

Yours truly
W. H. Stevens
Dist. Genl.

Blanc No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND RECEIVES messages only on condition, limiting the liability, which have been accepted by you in order of the following message.

None can be received unless it is in the hands of the sending station for transportation, and the Company will not be liable for any error or delay in transmission or delivery of messages.

This message is an INTERPRETED MESSAGE and is delivered by request of the sender, under the usual conditions.

A. H. BROWN, Secy.

HERVIN GREEN, President.

Dated New York May 17 1888 1888

Received at Meads Park N.J.

To Summit Insull

READ THE NOTICE AT THE TOP.

The damage done to shop is very slight most of it to the building fire burned out the top floor. Machinery not much damaged offices all ok.

Schmid

J. L. 28 Paid

March 26, 1888
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, having its liability, which here
 is limited to the amount of the telegraphic price.
 It is not responsible for any loss or damage to property or to the contents of any communication, and the com-
 munications are not to be used for any purpose other than that for which they are intended. The conditions
 are subject to change without notice and are subject to the provisions of the act of Congress of the 23rd March 1878.
 A. B. SLEWICK, Secy. J. W. GREEN, President.

Dated Menlo Park Depot 26
 Registered at 791 BROADWAY, May 26
 of J. Inaull
65 fifth av

READ THE NOTICE AT THE TOP.

*Edison bought ticket to
 N.Y. & went on
 seven thirty train*

Randolph

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
 WHERE ANY REPLY SHOULD BE SENT.
 Direct Wires.

°° PENNSYLVANIA RAILROAD CO'S TELEGRAPH.

Received ^{at} Philadelphia Office _____ Operator _____ o'clk. _____ M. _____ 188
From Elizabeth 7/27/82 For A. Edison.

I can give you a first rate line
through the City from such points
as you desire provide cable crossing
and also route from Jersey City
to Menlo will furnish final
Estimate by Thursday next please
inform me where I can meet you
on that day
(Sig Repeated) Neil B Amory

Sunday

Camp RECEIVED May 30th 1882

JUN 1 1882
ANSWERED

Mr. Edison *Edison*

FILE No.....

Dear Sir

I shall come to Menlo Park next
Friday June 2^d about 3.20 P.M.
If it is not convenient for you that day,
I shall manage it to come next Sunday about
half past 11 am. Am very sorry to have
failed last Sunday things had information
about trains by the Camden ticket-agent.

Very respectfully yours

Chas. Wright

10 York Street
Camden N. J.

T. A. EDISON

Menlo Park, N. J., Sept 11 1882

Mr. Thomas A. Edison

Dear Sir

the work that is under way
just now at Menlo is as follows
winding armature for t car
making commutator for same
making connections for brake t car
making measuring instrument d. t
working on regulator for t. G.
repairing dies for carbon t. G.
making carbons & weights t. G.
working on clutch lever for t car

Yours Respectfully
Thos. Doyan

T. A. EDISON,

32

Menlo Park, N. J. Sept 15 1882

Lagan

Mr T. A. Edison

Dear Sir
the work on hand at Menlo
is the following
making plug switches for R R
making plug switches for B car
making commutator for B car
making clutch lever for B car
repairing dies for L F carbons
work on press for L F carbons
work on carbons frames & weights
repairing Bunsen burners for sketch
work on regulator to L
repairing mercury work for pump
drawing composition wire Brass

yours Respectfully
Thos Lagan

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,

Miner Park
NEW YORK, Sep 30 1882

Mr Edison
N. Y.

Drilled small pieces bass
fiber also split some two thirds
down with saw, put the
bamboo fibers in with, Sugar,
Coal Tar, and Japan, then
carbonized them, In every
instance I found the substance
used contracted twice that of
fiber, leaving the right
points in contact only

John. F. Otto,

T. A. EDISON,

24

No 1

Menlo Park, N. J., Oct 5 1880.2

CC-

Mr Edison

Dear Sir

I The following are the experiments made Oct 2.

Wound Clarke C. N. J. No 100
I Spool cotton on ends of fibers, boiled in sugar, and carbonized. This carbonized very porous around the fiber also contracted less than fiber leaving fiber loose.

II Also drilled and split hart fibers, fastened with resin, and carbonized. In this experiment the fiber contracted different than the bamboo, and they would not adhere to each other.

III Also took small strips of paper covered with japan, and wound around ends of fiber, and carbonized. This carbonized in scales leaving fiber loose

T. A. EDISON,

No 2

Menlo Park, N. J., 1880.

IV Also made filings of bamboo,
White Holly, Bon Wood, then saturated
with coal tar then pressed in a mould.
This carbonized like a honey comb
but carbonized closer to fibres,

V Also drilled pieces of Graphite,
put fibres in with coal tar and, car-
bonized. This due to difference in
contraction left the fibres loose
Oct, 3.

VI Also wound with thicker thread
saturated with, Coal tar, Pitch, Japan,
This came out like I

VII Also flat pieces of box wood and tar
clamped on sides, This would not stick

Also drilled small pieces of bamboo
fastened in with Japan, Pitch, Boiled
Sugar, Plumbe's Tar, This worked

very well the fibers seemed to
form a homogenous mass

John Otto,

T. A. EDISON,

24

Menlo Park, N. J., Oct 7 1889.2

Att

Mr. Edison
Dear Sir

I have tested the pressure
regulator, and found it very sluggish,
a change of 10 lbs has no effect,
I have changed the resistance
of wire and shall test it today.

Have also made a sketch for
another style pressure Indicator,
I hope to have finished Monday
for test.

Also have made sketch
for new Meter that will be
finished by tuesday for test.

If you have a few small
things to make, please send

sketch as the men have not
enough to keep them busy

John Otto.

→ 6 () ()

↳ 2 T T

Can you get someone to bid
for the Cows at Edisons
except the original alderman.
THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,
NEW YORK 12th Oct 1882

Mr John P. Randolph
Mentlo Park
N. J.

Dear Sir,
Mr Edison has
written to Mr Egan to
discharge all his men
except Swanson, a night
watchman, and the two
men working on Carbon
moulds and when the
present order for moulds
is finished these two men
are to go as well.

He has also written
to Mr Hughes to discharge
at least half his present
force & he has written you
off to come in here.

This should greatly
reduce your expenses
after this week
Please see Gannett's entry
that the present bill will be small

THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

NEW YORK, Oct. 12 1887

Mr. Edison.
Dear Sir.

I tested the motor, and ran
it as a regular Dynamo, connected
the field in Mult. wire, without
intermediate resistance,

The field had 40 Ohms

The armature $\frac{44}{100}$ Ohms

Ran it 1200 revolutions per minute.

And the following table will
give the def. to number of lamps

John. Ott.

THOMAS A. EDISON,
No. 66 WEST STREET,

West Point
NEW YORK, 10 12 1882

Def	Volts	No Lamps	Def	Volts	No Lamps
200	1029	Tulid	194		15
202		1	198		16
208		2	193		14
207		3	192		18
205		4	191		19
196		5	189		20
194		6	188		21
196		7	188		22
199		8	186		23
199		9	184		24
200		10	183		25
195		11	182		26
195		12	180		27
194		13	179		28
195		14	177		29
			176		30
			174		31
			172		32
			171		33

10. Cells of battery 10.190. 20 deg. def

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THIS IS UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER 308 SENT BY Dw RECV BY R 1324
 RECEIVED AT 791 BROADWAY. Oct. 13. 1889

Dated Monro Park N.J.
Ed Russell 65-5 avenue

Have carpenter making boxes
to pack library shall I get them continue
answer
J. J. Randolph

This telegram has just been received at the office in 791 BROADWAY, near South Street, where any reply should be sent.
 DIRECT WIRE.

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THIS IS UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

SENT BY E RECV BY M 215
17 Coll. cl

RECEIVED AT Wt. 2.30 PM. Oct. 13 1889

Dated New York
 To Joe J. Randolph

Monro Park
Let Carpenter finish job
How much money do you want to
make dupli account paid tomorrow
Small

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK *Oct-14-1892*

Wm L. Hancock Esq
Mentlo Park N. J.

Dear Sir

*Please pack and
send by Express to this office
all the suits and die types
now at Mentlo Park*

Yours truly
T. A. Edison
ME

*Wm L. Hancock
17th Oct 1892*

T. A. EDISON,

Wm L. Hancock
Mentlo Park, N. J. *Oct 17* 1892

Mr Edison

Dear Sir

*What shall I do with
the models in the attic, also with
the bottles on the side of wall in
the upper floor of the laboratory, I
believe they belong to the automatic
experiments*

Yours truly

John F. [Signature]

T. A. EDISON,

RECEIVED
Mon OCT 23 1882
ANSWERED

Oct 20th 1882

.....183
FILED

Thos A Edison

Dear Sir
yours of the 19th received in
regard to the small bar machine
that is here I will ship it
right off I have shipped the
westinghouse engine to 92
Liberty St. N. Y. also more
carbon buttons to Geo H Bliss
Chicago I do not know how
the others were broken they
were packed the same as
they are always

Respectfully yours

Thos Edison

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK Oct 22 1882

Mr Lovell

Dear Sir

I have hunted until
I was tired and can find
no trace of the Mercury,
You had better inquire
where Lane & Fink's man
had left it

The blow pipe I
sent to Emmer & Friend

The Fork is finished
and sent boy to 65 fifth
St with it

Yours truly
J. F. O. O.

T. A. EDISON.

RECEIVED
OCT 24 1882
ANSWERED

Menlo Park, N. J., Oct 23 1882

FILE No. 34

Mr Edison
Dear Sir

Your letter dated 20. I received
21. at 4 o'clock it being too late
to send boy or message, and
the spark quays are all packed.
There are 50 barrels packed and I
cannot tell in which barrel they are.
I have two Cars loaded
and shall send them of on this
evening's freight. please order trucks
to Jersey City to unload them!

Yours truly
John F. Adams

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK 23rd Oct 1882

Mr Jno. P. Raudolph
Menlo Park
N. J.

Dear Sir,
I asked you to
send me all the good
Telephones you could and
a Switch Board. Where
are they?

Yours truly
Samuel Insull

THOMAS A. EDISON
No. 65 FIFTH AVENUE
NEW YORK

NEW YORK

Oct 24th 1882

EDISON TELEPHONE CO.
U.S.A.

RECEIVED
OCT 25 1882
ANSWERED

Sam. Russell Esq

65 Fifth Avenue

New York City

FILE No. 24

Dear Sir

Your favor of
23^d with inquiring about
Telephone came to hand
and in reply I would say
the (2) Telephones and switch
was sent by Express the
day after you was recd.
I have made out and sent
the Camp Co their bill.
The Total Amount due us
from them is \$2709.¹⁵/₁₀₀ Dollars

Yours truly
John D. Rambogah

24

RECEIVED
OCT 28 1882
ANSWERED
FILE No. 24
Oct 28 1882

Mr. Edison
Dear Sir

The third car is loaded
and will go in to night, I also
had the fourth car loaded to go
in on the 27.

This finishes the Machine
shop, and first floor of laboratory
we are about to clean out the next
floor and attic, I have found
some Electric Light encipit in the
scrap shed, there are quite a number
of Type righters there what shall
I do with them

I told some to discharge
the Machinists as we had no use
for them we can finish the rest
with labor.

Do you want the Autimate
paper in the attic as there are
more than two wagon loads,

Yours Truly,

John. F. Ott.

New York, *Oct 28th* 1882

OCT 28 1882

ANSWERED

FILE NO. *11111*

Dear Sir! *Perchstreet*

To bring down temperature to 60°f. for many days I was obliged, to open windows and door at the laboratory. Every day I got more chilled and today it was impossible for me, to go to Mendelpark, whole the right side of my body is afflicted and I lose the head only, to write this letter.

These to order, that somebody asks at the Jersey City depot for a small package, about 5 x 3 inches, wrapped in a newspaper, it contains an $\frac{1}{200}$ Ohm resistance for Perchstreet. Having such pains yesterday and my office being broken down, I left Mendelpark 3³⁰ p.m. and changing seat several times because of open windows etc., I forgot the package on my seat. Returning immediately to the car 639, just behind the locomotive,

THE EDISON ELECTRIC LIGHT CO.,
25 FIFTH AVENUE.

New York, _____ 1882

I could not find it - also the depot master knew nothing about it. Perhaps it is found, if not, only my measurement is of value, the resistance is incorrect: Instead of 0.005 Ohm resistance was about 0.005002 Ohm. What is of value for Perchstreet. To find it out, I had to adjust my own resistances before (they became all too high by and by) and doing so, I got chilled. I hope, to be allright tomorrow morning or afternoon.

Respectfully

yours truly
Johann Rudin

314, East, 9th St.

Why do you have ⁶⁰
test at 60° why cannot
you test at 80° +
correct = E

29

Oct 29. 82

RECEIVED
New Oct 29. 1882
ANSWERED
Oct. 29. 1882.

.....188.....
FILE No. 29

Dear Sir!

I am sorry, that my doctor ordered me, to keep quiet until at least tuesday next; it was not only rheumatism, my liver is afflicted too and I have to drink Carlsbad water, to take hot baths, take a little a walk and keep quiet.

At Ithenpark my men have their work and I could only begin the measurements of the St. Jago

network, but the spools are not
all dry.

Respectfully

yours truly
Norman Cousins.

THOMAS A. EDISON,
No 65 FIFTH AVENUE.

NEW YORK 29th Oct 1882

16th Geo. F. Rands
Wentworth
N. J.

Dear Sir, Please send in
the box containing my
Personal Books immediately
& advise
Yours truly
Saml Insull

I gave Clerk \$200 Please
keep him account to
paid for it & credit
N. J. Books with the amount
Lever

New York Nov 18 1882

Mr Samuel Insull
65 Fifth Avenue.

Dear Sir,
I do not remember
if ever seeing anything in
that line that I saw before
my time. But if you will
get from Mr. Karsan
some kind of a sketch
to give me some kind of
an idea of what it looks
like I will make thorough
search for it.

Yours Respectly

Marion M. Farquhar

T. A. EDISON,

24

Wagon
Menlo Park, N. J. Nov 27th 1882

T. A. Edison Esq,

Dear Sir
yours of the 27th recd in
regard to myself I am very
thankfull to you for your
offer to pay me till I can
get work elsewhere but I do
not think it necessary for you
to do that if you have no
use for me that is all I
want to know I expected
that much some time ago
I shipped these carbon buttons
to Michigan & Chicago yesterday
there is a lot of small tools
here consisting of 165 twist drills
127 taps 19 dies 7 french measure
steel rules 1 2 ft steel rule 2 steel
straight edges 3 hacksaws 3 screws
wrenches 1 mobile plated barometer
& thermometer combined

I write to know what I shall do with
them send them in or leave them
here I think the barometer belong
to the Light company there is
also 2 micrometer gauges that belong
to the position that I filled so
probably for the last 2 years what
shall I do with them would
you kindly let me know
and oblige Respectfully yours

Wm. J. Gigan

These tools are all in
store room here

T. A. EDISON,

Menlo Park, N. J., Mar 27 1882

Mr Thos A Edison

Dear Sir
if it would not be to much
in telling you what I have or
what I have not done to warrant
such actions on your part I wish
you would kindly inform me
so I would know you would
relieve me very much by so doing

very Respectfully yours

Thos Logan

Referring to yours of 29th
with the only reason for my
writing you that I could
not longer avail myself of
your services was that I
had no work of such a character
that I thought suitable to you

THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

NEW YORK

33
Dec. 11 1882

File

Mr. Insell
Dear Sir

Inclosed you will find
Key to Office door in Laboratory
I meant to hand it to you
when you were here but forgot.

Would you please hurry
the order book it is the thing
we use the most

Yours truly

J. F. Ott.

1882. Mining - General (D-82-045)

This folder contains correspondence relating to mining and ore milling. Some letters concern Edison's magnetic ore separator.

Approximately 30 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding ore samples sent to Edison for assaying; correspondence offering to sell mining properties to Edison.

Leon Thonard,
Ingenieur des Mines
40, rue Fusch
Liège (Belgium).

Used

Liège (Belgium), 2 janvier 1892.

separate, why several
plans for separating
brass and other
metals from
sea coast
separate without
Nucle Park of N. Y.

Dynamo \$1000.
takes 2 horse power
dynamo runs through
15-20 times and daily
Have no agent

Dear Sir,

I want to get some information about your
magnetic ore separator I saw last year at the Paris Exhibi-
tion. I wish to know especially whether your apparatus
is already in use on a large scale in some mines of the United
States and, in the affirmative, in which works and for what kinds
of ores. I should like to know also: what are the sizes
of the separators in use; the work made; the magneto-
electric power they require; to whom I have cordially
to apply for the price-list, the delivery of the appa-
ratus or of the drawings.

At last, will you be so kind as to tell me whether
you have an agent in Belgium not only for the separator
I am speaking of, but also for all your other patents.
Please give me his name.

Every information you will send me will be
gratefully received by

Yours very truly
Leon Thonard
Consulting Engineer.

I don't want to
bother you & Bath Wales I am
Pleased to hear of
you
Wm. S. J.

I received a
letter from John H. Emsie
Esq. of Walsbury N.E. Mass.
that he has a Platinum
and gold mine for sale
and is requesting me to com-
municate with you and
if you wish to purchase
such property he will
send you samples of
the gold & Platinum bearing
quartz in order that you
may analyze it he also
has a bed of Porcelain,
Clay and a Copper mine
I am as convenient Yours truly
Henry J. Ray pa
North Wales Montgomery

Waco Tex
Jan 1882

Ray

3
17

6

Ore Milling
Jan'y 14th 52
leaded

Mauch Chunk Pa,

Jan'y 14th 1852

Mr. Thomas A. Edison

Ap. 65 Fifth Av. N. Y.

Dear Sir -

Your fav. of 13th. received and
contents noted. The result of
your test is very gratifying and
if have been impatient at the
delay I beg you to accept
my apology. Will be be
kind enough to advise me by
return mail of the cost per ton
of extracting the gold by your
method, and also the terms
to parties using your
machines? Yrs Respectfully
R. R. Carter

I am not
prepared to
go with you, I
have no business at present
and have been ~~out~~
scraped by ~~the~~ - that
hope to however in course
of a few months

Old Milling
MOREY & SPERRY, *Jan 31. 82*
MANUFACTURERS OF
Milling Machinery,
SILVER MILLS OF ALL KINDS,
Grinding and Mill Supplies,
Various Locations Liberty Street,
Jan 31. 1882



HOWLAND PULVERIZER.

T. J. Edison Esq.
 65 1/2 1st ave

Dear Sir:

We
 sent you bill of stamp iron
 and timbers for frame as per
 our agreement

*Our young man will call
 on you at 11 ³⁰ A. M.) to-
 morrow for a check*

*Our Mr. Sperry holds himself
 ready to go to Waukegan at any
 time you may be ready
 to make a run on ore and
 to give the boys instructions
 in handling the mill*

Yours &c Morey & Sperry.

Spring Valley Mining & Irrigating Company.

Location of Mine, Cherokee District, Co.

Cherokee, Feb 19 1882

Walter H. P. Smith
Louisiana, Tex.

Thomas A. Edison Esq

My Dear Sir -

Knowing that you will require in the future an immense quantity of copper in connection with your lighting system, and hearing from the Major, or possibly from some other source, that you were looking at a property of this kind in Arizona, I take the liberty of sending you some specimens from a bed which I think is both extensive & valuable and can be reached and hauled at a reasonable expense -

It is in the state of Nevada, near the Central Pacific Rail Road and is controlled in large part by my father-in-law. The enclosed letter of F. Amersbach, gives an idea of the property, its developments etc

It is the belief of the owners, that

The one also contained silver

If you do not wish a review of this character, and it is convenient for you to test the ore, I will consider it a kindness if you will let me know what it contains

Have heard nothing from Major directly, or whether the light franchise was successfully arranged during Ladd's trip to New York and am very anxious to know =

I am aware that the time of yourself and your assistants, is constantly occupied, but I shall consider it a great kindness if you will reply

Very truly yours
Louis Glass -

Blaw

Feb 17 1882

12

S. B. Wakefield

A. W. Foster.

12
Feb
1882

Amman

S. B. Wakefield & Co.

Stock Brokers

322 Pine Street.

San Francisco, Feb 13, 1882

Louis Glass Esq

Amakui Isala

Dear Sir

In compliance with your request I enclose you a brief report of the Great Eastern Copper Mine.

The Great Eastern Copper Mine is situated in Humboldt County in the State of Nevada, six miles and a half from the G. & N. Roads, thence a good wagon road to the mine, said property is situated in the foot hills of the Sierra Nevada. The mine is opened by two shafts, 40 and 50 feet respectively, and as the ore is found from one to two feet from the surface several excavations have been made and good ore extracted, about three car loads have been shipped, and there still remains about one hundred tons altogether on the different dumps. However, ore is

found it has a capping of granite varying in thickness from six inches to two feet, and this granite capping is traced the whole length and width of the mine. The ore assays from 16 to 60 per cent copper and 10 to 150 in silver to the ton and some gold.

There are five buildings upon the property consisting of dwellings, stable, ore houses and blacksmith shop. As there is no water at the mine, the smelting furnace should be built at a place called Shadowood where water in abundance can be obtained free, and fuel at reasonable figures, distant from which (where it is ore is dumped) 35 miles by rail. A tram-way could be built from the mine to the rail road; then Appaume ore could be landed at that point for \$2. per ton at present the cost is about \$3.50 per ton. The cost of extracting ore is \$2 1/2 per ton, the cost of transportation by rail (35 miles) cannot say exactly positively, nor can I state the cost of reduction. The mine has not been fully developed but from appearance I should judge it to be an immense deposit of copper, and as it lays in benches, I cannot give you the width of the ledge; it varies from one to six feet in thickness.

my address is
322 Pine Street

Respectfully,
D. Amundson

UNION PACIFIC RAILWAY.

(Union Division.)

LOCOMOTIVE DEPARTMENT.

Rawlins by mail 6/28/82

Edison

I write to inform you of a fine copper prospect we have found 5 miles north of town Cogswell and myself have taken up a claim and worked it some last summer and got out on the surface over six tons of fine ore that assays from 55% to 66% copper and from 2 1/2 to 12 oz silver to the ton the character of the ore is principally carbonates and red oxide There is a company forming in Denver to work this claim and if you are still interested in the development of mines would like to have you go in with us to develop this property can send you a sample of the ore should you desire it Give my regards to Dr Graper should you see him
Dear Truly Yours R M Calbraith

Mr Thomas Ellison Nolan county Texas
Dear sir you have
known activity ⁱⁿ August 11, 1882

RECEIVED
APR 10 1882
ANSWERED

case - I am one of the old land holders since
then I have separated my self at school teaching
and on old woman and here a piece
of land on the yellow - well one of the
old Colorado - dinner has been discont
and the Kildengen about thirty miles
from there what will you charge me to
analyse it for me I am advised to sell
it best to not think it will do without
knowing the value of it I am old and
have not a penny to buy but can give a
part of the mill please
this letter respectfully
Maries A. Hawkins

On Milling
Apr 6-87
Maria Acostino

CELESTIA
REBECCA
SOFIA
MIA
MARTINA
MARTINA

Rec'd this letter
25th May 1882

NORTH PACIFIC RAILWAY.

(Union Division.)

LOCOMOTIVE DEPARTMENT.

RECEIVED
APR 14 1882

ANSWERED

APR 14 1882

Baltimore Apr 14 1882

Thos A Edison Esq

My Dear Sir

Yours of the 8th inst just
recd I have sent you a small box
of samples of the different kinds of Copper
Ore This is as near an average lot
as I can pick out. The red piece that
has been ground on sides I have been
thinking was the best ore but not having
had an assay am not positive
I do not know what the freight to
New York would be. here rates to
Baltimore of \$2.24 per 100 wt

There has been quite a number of Col
Mining men here lately looking over
the ground but they all think we
have the best location Cogswell
is interested with his and will start
to work on the prospect this week
Hope you will find the ore as good
as we think it is Very Truly
Yours
R M Calbraith

THOMAS A. EDISON,

No. 65 FIFTH AVENUE,
NEW YORK, April 11- 1882

Marie A. Hawkins
Nolan Lily
Towar

Dear Madam

Referring to
your letter of late date.
Mr. Edison will gladly have
you or analyzed without
cost to you and report its
value if you will forward
a sample to T. A. Edison
Menlo Park N. J. and
carefully mark the package
so we may know from
whom it comes.

Yours Truly

Saul Sussell
Secretary

State Board of Geological Survey.

DAVID H. JEROME,
Governor.

VARNUM B. COCHRAN,
Supt. Pub. Instruction.

GEO. F. EDWARDS,
Pres't Board of Ed.

Lansing, Mich. *April 24th* 188*8*

SIR:

We have this day forwarded by *Express*
to your address, one copy
of the *Fourth* volume of the Geological Sur-
vey of Michigan, for which
accept with the compliments of the Board. Please acknowledge receipt on
the accompanying blank, and mail to *Gov. D. H. Jerome, Lansing,*
and oblige.

Yours very truly,

V. B. COCHRAN,

Secretary.

New England Associated Press.

Acad
President,
AMOS F. LEARNED
Boston Herald
Executive Committee:
S. WORTHINGTON, Boston Herald.
W. W. CLAPP, Boston Herald.
J. L. SHIPLEY, Springfield Union.

Agent,
AMOS F. LEARNED
Boston Herald
Secretary,
R. M. PULSFER,
Boston Herald
POST OFFICE BOX 3303.

Learned
New York, May 13 1882.

Thos Edison. Eng
Dear Sir:-

Can you give
me any information rela
tive to the Wood's Copper Mine,
in Alabama?

I oblige,
Yrs truly,
Amos F. Learned

Handwritten notes and scribbles:
v s a w
y w a
v r
= r s p c
e u d b

GREENDALE ALKALI WORKS COMPANY, LIMITED.

12.

Accd to pay 29 /
St. Helens 19 May 1882
Merrill
Hotel Lafayette
Philadelphia

Dear Sir,

In reply to the
interview that I had the
pleasure of having with you
in Govt St some short time
ago, on the subject of
reducing the magnetic iron
sands, separated by your
process, I have delayed
somewhat in communicating
with you further as I had not
first to study the process
of iron manufacture in America,

in order to see whether anything
of the kind proposed had
before been attempted -
I have done this now pretty
thoroughly, and find that
nothing of the kind has been
done -
I have also delayed somewhat
as I understood you were not
well & did not wish to trouble
you -
Now you kindly offered to
conduct the experiments of
reducing with hydrogen at
Mills park - at any time
now I should be very glad
to assist with my chemical

and practical knowledge,
the conducting of these experiments,
if you like, and shall be
glad to call upon you either
at Menlo Park or Goshute.
Perhaps it would be as well
though, first to get a ton or
so of the pure separate
magnets and to work upon?

If you would send me a
line to the above address
I should be much obliged.
Mr Hearle told me that
he sent you the luminous
font (Balmain) that you

wished to experiment with
in the way you explained
to me and I shall be very
glad to hear the result.

I hope that you are now
again convalescent & remain,

Yours truly
W. J. Sturges

J. G. Edison Esq
Goshute
New York

UNION PACIFIC RAILWAY.

(Union Division.)

LOCOMOTIVE DEPARTMENT.

Paulina Mo. June 5th 1882

Thos A. Edison Esq.

My Dear Sir:

Yours of May 25th rec^d. Glad the ore proved so good. Now the only question is quantity. I locate you in my first town it was found in Leadville near the surface in lime stone. The locality is north of Paulina five miles toward the Remondle Mountains. Steam coal is delivered by C & G for 3 c per ton. but there are large quantities of coal to be found within 6 or 7 miles of the place where we find the copper ore. ~~It is not~~ what we want is help to prospect the ~~ground~~.

Mr Roganwell & myself are willing to give a half interest in our claims for \$2,500⁰⁰ and a working capital of 5,000⁰⁰ to develop the mine. We can not say positive that we will be able to find a bonnie but I am willing to try. Mr Roganwell will devote his entire time to the work of development.

Very Truly
W M Calhoun

Not high
enough
of
P
C
to
pay
mg

Fort Gratiot, Mich., June 26
82

Mr. Wm. Edison Esq.
New York City
Bro. Sir:-

Having seen some account in print
you had some talk with your father
about your machine for separating the
fine particles of iron found in quantities
on our lake shore from the common
sand with which it is mixed, I take
the liberty of asking some questions:
What is the expense of the smallest-
practical apparatus for the purpose
which is made?

By what means would it be
ordinarily moved from place to
place while operating it?

What force of men or other power
is required to start it?

What is its weight?

What proportion of iron would be
required ordinarily to be remunerative?

I understand you expect to visit
Fort Gratiot this summer, can't you
bring on a machine?

My father is so unfortunate as to pay
taxes on the land for a couple of mills
along the lake shore in Fort Gratiot town,

and if there is value in the small quantity of iron which appears to be thrown out or deposited at intervals we would like to know it.

Another question about your Electric Light

Have you instruments and facilities to furnish a block with your light which comprises stores, offices, Public Hall, etc. now supplied with about 100 gas burners? The building is warmed by steam throughout, and has plenty of steam power in constant operation in the basement?

If you have such facilities, what would be the expense of putting them in?

Could they be put in so as to be ready for the fall trade, say by Oct. 1st '82?

I enclose stamps for a reply.
Yours respectfully

Geo. W. Howe

OFFICE OF

W. H. George, M. D.

INDEPENDENCE, INYO COUNTY, CALIFORNIA.

June 2, 1882

J. A. Edison Esq

Dear Sir - Will you please inform me what the present market value of Platinum is and if you purchase it - A friend who is engaged in placer mining in Oregon writes me that he is finding it in small quantities and will save it if it is worth enough to pay - I believe the Oregon Platinum is not so rich in platinum as some found in other places but carries a larger pct. of the more valuable metals as Iridium, Rhodium, Palladium and osmium - I have not seen but have not yet received specimens of the article he is finding - if I had them I would

forward you a specimen that
you might assay it

When I do get specimens if
you desire it I will send
you a sample

Respectfully &c &c
Wells

W. G. L. 2
W. G. L. 2
W. G. L. 2

Platinum only has a commercial
value Johnson Mathew & Co of
London Hatton Gardens London E.C.
England would probably give from
\$30 to \$50 per ounce f.w.

W. G. L. 2
Johnson

1/2

Answer
9th July 1882

54, William Street.

New York July 20th 1882

J. A. Edison Esq,
Menlo Park, N.J.

Dear Sir,

Covers of the 19th met received and sorry to hear such news - what I desire to know is in regard to your machine for working tailings, if you will let me know who can give me all the information I need I will not abuse of your kindness and help your home - In one or two months I will let you know to how much amount the net profits per year of the gold mines in question and perhaps you may take some interest on them - In two words what I need is information as full as possible of your machine for working tailings and if any process you think the best for working sulphurets. You will excuse my troubling you and thanking you beforehand for any suggestion you can give me I remain

Very respectfully yours

Wm. A. Rorer

C/ R de Castro & Co.
10 O'Row 15 87

Recd
22nd Aug 82

TAYLOR & HASTINGS,
ASSAYERS AND SURVEYORS.

Ketchum, Alturas Co., Idaho, Aug 10th 1882

Prof. Thor. Edison.

Dear Sir.

Recently some of the boys in this neighborhood struck a Quartz ledge carrying a fair percentage of native Bismuth, combined with a little arsenic and antimony. being somewhat interested in the matter we would like a little information before going to much expense either in developing the property or attempting to work the ore. Understanding that you some months ago made inquiries for both Bismuth and Platinum, would respectfully ask, what is Bismuth that is the crude metal not refined worth in the eastern market, also is there any large demand for it. If convenient please answer and oblige your truly

J. J. Taylor

By [Handwritten signature]

Mr. Allison
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Mr. Allison
Dear Sir I wish to
learn if you are at home at present
and if you intend to be at home
for some time as I wish to come
and see you about Minerals I have
discovered a Platinum mine and other
kinds of Gold from what I have
heard of you I think you the Man
to see if you receive this notice
Answer at once I am adjusting
a Man from Uta here this week
to take an interest in the Miner
business and I will withhold
all matters of contrast till I hear
from you I wish you to see
what I have and then
you can judge if you wish to
go see mine if so you will
find in me nothing depend
from what you expect
With Respect
C. C. Colwell

Don Cabezas, Cashier County
Arizona Sep 14th 1882

Thomas A Edison Esq

Dear Sir

I send you a sample of
ore ^{ore} similar to a piece assayed at the
New Orleans mint where 2 1/2 ounces
of iridium to the ton was returned.

If you have any use for this
metal or will lend the ore over
to some business house who can
turn it to account and give me a
good market for a few hundred
tons I will be glad to hear from
you

Yours truly

J. D. Emersley

1000
by the
10/2
10/2

12
at New York Sept. 22/82
Dear Sir,
I have the honor to acknowledge the receipt of your letter of the 17th inst. in relation to the purchase of gold for the use of the Board of Commissioners of the New York State Canal, and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.
Yours truly,
John W. ...

Mr. Thomas A. Edison

Your will probably remember
I have had an correspondence
with you in reference to
the purchase of gold for the
use of the New York State
Canal. I have the honor to
inform you that the following
results: 4.2 oz. gold and
1.1 oz. silver were a decidedly
profitable planning - after the
analysis. I desire to inquire
what arrangement you would
make for the use of your
process, and you replied
under date of Jan'y 19/82.

"I am not prepared to go into the
"Mulling business at present my
"time being entirely occupied
"on the introduction etc. of my
"Electric light. I shall hope to
"devote some attention to one
"Mulling in course of a few
"months. I notice by the
"papers that you have successfully
"introduced your light in N. Y. which
"I tender my congratulations
"and I think to improve with
"you could not know give a
"little attention to Mulling.

Yours Respectfully

P. R. Barber

Ans. Oct 5 -
Polaris

Continued Ward Sep 22nd / 82

Mr J. A. Co. ison

Dear Sir

Can the precious metals be extracted from Quartz by some electrical process. We have three locations on a vein. One Assay. 70% Lead and 6% Silver another place contains a large percent of Copper and some molybdenum. It is very rich. Will develop the roads some this winter. If you would like some of the risk to experiment with let me know the amount and how to send it. may send a few plates in this a fair water power close to the vein. an industrial could be had in the locations for the use of a cheap process to extract the metal.

Respect yours

J. H. West

My time is so much occupied at present with my C. L. work that I have been obliged to drop Bee Milling for the present.

J. E. STEVENSON
Engineer & Manufacturer,
110 Liberty Street,
NEW YORK.

New York, Oct 13/82

Thos. A. Edison Esq
New York.

Dear Sir

My friends in the
Republic of Mexico interested
in Mining ask me to enquire
of you what success you have
had in the treatment of Gold
ores by Electricity. Will
you be kind enough to inform
me if your process has been
brought into practical use
and what will be the cost
and oblige

I
am ~~very~~ ^{very} much interested
in ~~your~~ ^{your} process to ~~take~~ ^{take} ~~it~~ ^{it} ~~up~~ ^{up} ~~at~~ ^{at} ~~once~~ ^{once}
on Eight
wonder to take
matter up
next year

J. E. Stevenson
will do so

Subject: Introducing Mr. S. Z. Smith

ARTHUR STANLEY,
President.
JOHN M. CLARK,
Vice President & Treas.
D. H. LEONHARDT,
Manager.
Geo. H. BIRD,
Gen'l Agt.
P. D. JOHNSON,
Expn't.

Western Edison Light Company,

51 & 53 Washab Avenue.

CHAS. MILLER &
EDWIN C. PATT
MILLING CO.

DIRECTORS.

THOMAS A. EDISON, 1882
ARTHUR STANLEY,
JOHN M. CLARK,
J. W. BOWEN,
SAMUEL MERRILL,
HOWARD WILLIAMS,
CARRIE WELLS,
JOHN M. CLARK,
JOHN CLEGG,
ANTHONY F. BERGONZI,
E. G. BROWN.

CHICAGO, Oct 17 1882

Mr. A. Edison Esq.,

Dear Sir:

This will introduce Mr. S. Z. Smith who is interested in some copper property at Mining and on the vein of the celebrated Calumet & Hecla mine at Lake Superior.

I am told the mine has been well opened and is in about the same condition of the Calumet. Shortly before it became so largely remunerative.

Mr. Smith's associates are putting in 500 Edison Lights at Appleton Wis and expect to put in some thousands in that vicinity as they expect an immense water power extending several miles along the Fox River.

They are impressed with the need for Copper Conductors and think they have a source from which the raw material can be obtained to great advantage.

I have known Mr. Smith for several years as a reliable person of whom I had great business confidence.

Yours truly,
Geo. W. Bliss

FIFTH AVENUE HOTEL.
MADISON SQUARE, NEW YORK.
HITCHCOCK, DARLING & CO

13

Nov 24/82
Smith

Mr Cassell

Dear Sir

I called this afternoon to take my maps & say that I was going to Chicago & that letters would reach me from Lansing Mich at any time in case there was occasion to address me.

I wish you would impress upon Mr E-S mind the importance of early advising Mr Stager & Mr Bliss at Chicago of his views in regard to our Copper project & the general advantage of a bonded uniform supply from Lake Superior.

Be able as soon as possible get them to look into our property, and see what they can take of it & settle

Mr Ems endorsement we shall
feel safe in undertaking
place the necessary amount
here & elsewhere.

I can arrange
matters to Mr. Ems's satisfaction
and show him that there
will be a very large
profit in our stock
when properly placed &
in strong circulation.

Yours Very Truly
S. L. Smith

13

Nov. 29. 82

Flury

Consular Agency
United States of America
Innsbruck, Austria

29/11 82

J. A. Edison Esq.
Menlo Park
N. J.

Dear Sir,

My letter of Oct. 25th.
I hope in your possession, and
perhaps there is an answer
on the way.
Knowing what interest you
take in Science and its practical
applications in the arts, I
come today to ask your advice.
I am interested in a Lead
and zinc mine in the upper
Iron valley. We have lately
found an ore containing
about 35 per cent of
Hydrolic Acid $40 O_2$ com-
bined with 50% of Lead oxide

I send to you ^{two} ^{small} ^{samples} ^{of} ^{the} ^{crude} ^{are} ^{as} ^{it} ^{breaks} ⁱⁿ ^{Alpine} ^{limestone} 2-3 feet wide.

The question now is, how can the Molybdic acid or the metal Molybdenum be ^{easily} extracted from the ore, and if what ^{uses} can it be put in?

As a good water-power is close to the mines, a magneto electric machine could be put up and the Molybdenum precipitated from a solution. Can you suggest a cheap and speedy process?

Molybdenum seems to be very little known, and if correct, can suggest some new use.

It is certainly W. Edison's. W. Trimm says Mo is very hard and difficult to smelt, could it serve as substitute for Plat. in lamps? Or could the Oxide be used in Accumulators? If you ~~desire~~ ^{want} more of the Ore I can send you what you desire.

Please let me hear from you soon. I believe me, dear Sir, with best wishes,

Yours truly

A. L. Plaut

Tres Piedras Taos Co New Mexico
Nov 29th 1882

M^r Thos: A Edison
Mentor Park N.J.

Dear Sir

Mr George W

Cummings of Orville Cal, is here Hydraulic mining. —

I have obtained your name and address from him
and he permits me to use his name as reference

Learning that there had been Platina washed out
from crevices in a mining claim near here, I have
secured some of the ^{two} ~~two~~ ^{lot} ~~lot~~ ^{of} ~~of~~ ^{mine} ~~mine~~ which I mail you to-day

I am not acquainted with Platina, the Rock
I send seems to be iron in my judgment, carrying
Gold.

The party promises to send me some specimens
of the metal (Platina as he calls it) which he washes out
when received I will forward to you

Please inform me if you wish to be
interested in a good Copper mine, if you do, I
will send you specimens from some claims in
which I am interested — giving a large % of Copper by assay

Our mines here, are situated near the line of Colorado
in New Mexico, in Rio Arriba County N.M. first
discovery made in 1850. Hoping that I can
be of service to you in searching for Platina or other
metal used by you I am

Respectfully yours
D. W. Field

Do not want a copper

mine would like to see a
platina deposit

13

Nov. 29 1882

Field

1882. Mining - Edison Ore Milling Company, Ltd. - General (D-82-046)

This folder contains correspondence, agreements, and other documents relating to the business of the Edison Ore Milling Company, Ltd. Related material can be found in the Edison Ore Milling Company Minute Book (Company Records Series) and in Letterbook, LM-005 (Letterbook Series).

All the documents have been filmed except for several proxies and ballots from the stockholders' meeting of January 17, 1882.

Know all Men by these Presents, That
T. Thomas Alva Edison

do hereby constitute and appoint Samuel Insull

Attorney and Agent for me and in my name, place and stead, to vote as
 my proxy at any election, the meeting of the board
 one holding Co. to as held on 12th day of December
 one, the said eight hundred & eighty two
 according to the number of votes I should be entitled to vote if then personally
 present.

In Witness whereof, I have hereunto set my hand and seal
 this 16th day of January one thousand eight hundred
 and eighty two

Signed and delivered in the presence of
Thos Edison

T Edison

- T. A. Edison
- James H. Barker
- R. L. Cutting Jr
- Samuel Insull
- W. S. Perry
- R. L. Cutting
- W. L. Cutting
- Frank McLaughlin
- S. B. Eaton

I vote this ticket
 as proxy for T. A. Edison ^{share} 933
 and for myself ¹²
Samuel Insull shares 945

Know all Men by these Presents,

THAT *J. Thomas Grover*

do hereby constitute and appoint *William S. Perry and*

Attorney and Agent for *me* and in *my* name, place and stead, to vote as *my* proxy for all *shares* standing in *my* name in the *Shares of the Edison Incubating Company* according to the number of *shares* *I* should be entitled to vote if then personally *present*

In Witness whereof, *I* have hereunto set *my* hand and seal this *sixteenth* day of *January* one thousand eight hundred and *eighty two*.

SEAL AND DELIVERED IN THE PRESENCE OF

W.D.H.

J. Thomas Grover

To Directors

The Edison Ore Mining Co Limited

J. A. Eduson

James H. Baulein

R. L. Cutting Jr

Samuel Insull

W. S. Perry

R. L. Cutting

W. L. Cutting

Frank Mc Laughlin

S. B. Eaton

448- Fr. D. Perry

5 H. G. Laubs

945 Sam Insull

1393

State of New York
City and County of New York }^{ad.}

B. F. Hannington and H. W. Seely
being severally duly sworn, says, each for himself:
that he will discharge with fidelity the duties of
the office of Inspector of of election of Directors
of The Edison Ore Milling Company, Limited, at
the annual meeting of the stockholders of said
Company held January 17, 1882; and that he
will not receive any vote but such as he
believes to be legal, nor reject any which he
believes to be legal.

Subscribed and sworn to before }
me this 17th day of January, 1882. }

W. H. Meadowcroft
Notary public
N. Y. Co. }

H. W. Seely.
B. F. Hannington.

B.

State of New-York
City and County of New-York ^W as:-

We, C. J. Hanington and H. W. Seely, the
Inspectors of Election at the annual meeting of
The Edison Ore Milling Company, Limited, held
on the 17th day of January, 1882, hereby report
that there were present at such meeting in person
or by proxy, holders of fifteen hundred and
ninety three shares of the stock of said Company;
that at such meeting fifteen hundred and ninety
three votes were cast and that all such votes
were cast for the following named persons as
Directors of said Company for the ensuing year, viz:

T. A. Edison

James H. Banker

R. L. Cutting, Jr.

Samuel Inaull

W. S. Perry.

R. L. Cutting.

W. L. Cutting

Frank M. Laughlin and

S. B. Eaton.

Dated January 17, 1882.

H. W. Seely.
C. J. Hanington

Blank No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

THIS COMPANY'S TELEGRAMS ARE TRANSMITTED ONLY ON SUNDAYS, AND ITS STATUTE, WHICH IS IN FULL FORCE, IS IN FULL FORCE OF THE COMPANY'S STATUTE, AND THE COMPANY WILL NOT BE RESPONSIBLE FOR ANY LOSS OR DAMAGE TO THE PROPERTY OF THE COMPANY OR TO THE PROPERTY OF ANY OTHER PARTY.

THE MESSAGE IS AN UNPAYED MESSAGE and is delivered by request of the sender under the conditions stated above.

A. R. BERRY, Secy. W. W. GREEN, President.

Date: *Braille City* 1887

Received at **791 BROADWAY** near 10th St.
Thomas Edison

65. 5 Ave

READ THE NOTICE AT THE TOP.

*Day on with home
to examine keys
property in Arizona
answer at once*

Frank W Laughlin

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHEN ANY REPLY SHOULD BE SENT.

Direct Wire.

[TO SAMUEL INSULL?]

File

The Edison Ore Milling Company Limited

65 Fifth Avenue

New York *Jan'y 18* 188*2*

Dear Sir:

I beg to notify you that you were elected a Director of The Edison Ore Milling Co., Limited, at the annual meeting of Stockholders held on the 17th. inst., and that a meeting of Directors for the purpose of electing Officers of the Company will be held to-morrow, Thursday at 4 O'clock P. M. at this office.

Yours truly,

L. A. Eaton

General Manager

Will you also have Mr. Edison present if he is in the City.

W.H.M.

Boston Feb. 6th 1882.

Profes. Edison

Dear Sir

I am a stockholder in the Edison
Ore Milling & Mining Co.
and wish to inquire as to what has
become of the Co. if anything is being
done to forward the enterprise or
is it a defunct concern.

I paid three hundred Dollars per
share for my stock and should
be glad to get my money back
to say nothing of two years interest
I was told by the parties of whom I purchased
the stock some two years ago that the
Co. owned 50 millions toll. in Tailings
and were going to work right away

I have been patiently waiting 2 years
but cannot hear tell of the Tailings
being disturbed yet

Is there any price for the shares

I did see a few quotations some time
ago but lately have seen none
any information you can send me
on the subject will be thankfully
received

Yours Truly
Geo. C. Fittow
58 Temple Place
Boston
Mass

On Writing
to Mr
Fittow
July 6, 1882

I have not heard about
the price of a few of
statements of the
in it. The information
one will be very valuable
with every possible
substantial result

Blank No. 1221

1221

THE WESTERN UNION TELEGRAPH COMPANY.

The Company's **SHARES** and **BONDHOLDERS** are hereby notified, in accordance with the provisions, limiting its liability, which have been adopted by the Board of Directors of the Company, that a meeting of the Board of Directors will be held on **Monday, the 10th day of February, 1887**, at **791 Broadway, New York City**, for the purpose of considering the report of the Board of Directors and the accounts of the Company for the year ending on the 31st day of December, 1886.

A. R. BISHOP, Secy.

NORVIN GREENE, President.

Dated at Menlo Park N.J. 7th 1887

Received at 791 BROADWAY Feb 10
To Saml Insull

65 5000

READ THE NOTICE AT THE TOP.

Are milling statements
will be sent
by tonight's mail
Wm Edison

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

FRANK L. FROMENT & CO.
Iron and Steel,
No. 119 JOHN STREET.
P. O. Box 2906.

NEW YORK, Febr'y. 10th 1882

Bought of The Edison Ore Milling Co Limited.
To wact of The Toughkeepsie Iron & Steel Co.

From (125) One hundred & twenty five to (150) One hundred and fifty Tons (of 2240 lbs each) of Concentrated Magnetic Iron Ore for immediate shipment in bags at Ten dollars (10⁰⁰) per ton, delivered at Toughkeepsie Iron & Steel Co's Mill at Toughkeepsie N.Y. In case the Hudson River is closed on account of ice, the ore is to be shipped from pier at foot of West 33rd St. New York on board cars of The N.Y. Cent. & Hudson River R.R. Co. The Edison Co. to have the benefit of The Toughkeepsie Co's rate of Int. viz one dollar & fifty cents (1⁵⁰) per ton of 2240 lbs from N.Y. to Toughkeepsie.

— Terms one half cash on delivery at
Toughkeepsie from which all Freight is to be deducted, balance to be paid in sixty days from date of delivery
Bags to be returned.

Frank L. Froment & Co.
Brokers

Boston Feb 14th 1882

Prof T. A. Edison

Dear Sir

Will you please inform me what the
prospects is of a boom in the Edison
Coe Muller & Co's ^{have} ~~removal~~ of the
stocks and how long been sitting on it for
about two years and cannot get any
information in regards to its value
you will give me a letter on the
above

Please answer and
oblige of, W. Smith

#22 Congress Square

Boston

We have no time to do with
working in the stock
my letter will be answered

FRANK P. SMITH.
SHIPPING BROKER
AND
COMMISSION MERCHANT.
No. 55 WILLIAM STREET, (UP STAIRS.)

P. O. Box 3611.

SCHOONERS, BORTS AND BARGES FURNISHED FOR MERCHANDISE.
COAL, IRON, BRICK, CLAY, LIME, LUMBER, &c.
VIA CONSTATE, HUDSON RIVER, LAKE, ERIE & NORTHERN CANALS.
CONTRACTS MADE ON LARGE SHIPMENTS.

New York, July 17th 1882

I have agreed with The Union Ore Mining Co. to send boat to Lumberton Beach, N. C. for 150 Tons of Ore in bags and deliver same on Dock at 33rd Street, North River, at Toughkenstein or Dock, option of Shipper. If said cargo be delivered in New York City, Freight to be \$1.50 per Ton. If delivered at Toughkenstein, Freight to be \$2.00 per Ton ^{and} payable to my order (danger of the seas excepted) Shipper or Consignor to insure said Cargo.

Frank P. Smith

Steamer Canal Boat E. P. Cook

The Edison Ore Milling Company Limited

65 Fifth Avenue

New York July 23rd 1882

Dear Sir:

A meeting of the Directors of The Edison
Ore Milling Company, Limited, for the purpose of
electing officers to will be held at the offices of
the Company, 65 Fifth Avenue, tomorrow afternoon
at 3.30 o'clock.

Yours truly

S. B. Eaton

General Manager

per m

Mr Insull :

In regard to the
foregoing memoranda, I
should like to have the
box sent to Goebel St
and I will see the stuff
there - Possibly the C. M. Co
might buy a dynamo -

W. H. Meadowcroft

Mch 7/82

Mr. Insucc :

Please have this page
of said sent to ^{St. George} St
by freight & advise me
of its having been sent!

Yours truly
J. W. ...
Mr. ...
no more ...
to ...

~~7~~ Mch 1/82
Small

What is the
done ...
Small

Blank No. *1100*

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by its members of the following tenor:

Every such message submitted by Operator or Operator's Agent, at the sending station for transmission, and the Company will not be held liable for errors or delay in transmission or delivery of such messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named here.

A. H. BREWER, Secy. *Wm. Marvin Green, President*

Dated *Min's. 1st 1881*

Received at **791 BROADWAY**
In *Sinsull 65 fifth ave*

READ THE NOTICE AT THE TOP.

Box of sand is here from the west that you gave me bill of Ludwig for.

J. A. Edison

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

FRANK L. FROMENT & CO.

Iron and Steel,

No. 119 JOHN STREET.

P. O. Box 2991,

NEW YORK, April 28th, 1882.

Bought of The Cuyahoga Ore Milling Co. Ltd. New York
For account of Messrs. Shinn & Co. India

*Accepted
for
Shinn & Co.*
Fifteen (15) Tons, 22 1/2% assay of Magnetic Iron
Sand Ore (with provision of 200 Tons in event of
Ore proving satisfactory) @ \$12.00 dollars (9) per
ton delivered to Penn. S. & Co. at Jersey City N.J.

Ore to be shipped in bags bags to be
returned to Mr. Conley, Niantic, N.J.

Terms net cash.

Respectfully Yours,
Frank L. Froment & Co.
Brokers

FRANK L. FROMENT & CO.
Iron and Steel,
No. 112 JOHN STREET,
P. O. Box 231.

NEW YORK, April 28th 1882.

Bought of The Edison Ore Milling Co. Ltd. New York
For account of Messrs Shimer & Co. Phila

Ten (10) Tons (2240 lbs each) of Magnetic Iron Sand
Ore (with privilege of 500 Tons in event of Ore proving
satisfactory) @ Nine dollars (9) per ton delivered to
the Central P. R. of New Jersey at Jersey City N.J.

In event of Buyer taking the 500 Tons
then delivery is to be made to the Cent. P. R. of New Jersey
at Elizabethport N. J.

Ore to be shipped in bags bags to be returned
to MR. Conley Niantic N.J.
Terms net cash.

Respectfully Yours
Frank L. Froment & Co
Brokers

1882-06-10

✓
Western Line 10th 1882
Received of the Edison Ore Milling Company
Limited \$25.00 in full for rent of leased
beach at Quonocontung R.I. for the Year
Ending July 7th 1883

Wm. C. Penckleton

12
NEW YORK MINING STOCK EXCHANGE,
60 BROADWAY & 23 NEW ST.

New York Feb 11 1882.

Thos A Edison Esq
Dear Sir

Will you kindly advise
me if there is any sale
and if so at what price, for
the Edison Ore Milling Stock
and oblige

Yours truly
Thos Seymour

If you apply to
W & Henry Co of N. H. Street
45 Exchange Place you
will doubtless obtain

full information
as to Rice Milling
Stock

San Francisco
July 27th 1852
Edwards and Milling Co 65-5 to 200
1 San Francisco

I have this day rec^d from
Schroeder "Wardner" on acct of W G
George Coy (\$20) three hundred & twenty
large Irons Iron and weighing 120 lbs
each & have advanced to Captains of said
Schroeder (Three Dollars) to pay discharging
charges of freight

J. M. Roberts

Edison Ore Milling Co
65-5th Ave

Received from Edison Ore
Milling Co Limited Forty
seven dollars for balance
of freight on within
July 27/02

S. H. H. H.

#10. Angelo Bldg
Boston July 31, 1872

Thos. A. Edison Esq

Menlo Park, N. J.

Dear Sir

When the Ore Milling
Co was started I bought 4 shares at a high price
and was such a flattering exhibit and have
held it ever since. I cannot see report from
any one, of its prospects, and so I make free to
ask you to inform me thro' your secretary. I
would not trouble you, but I am having very
hard work to make both ends meet & it would
encourage me to know if there was any likelihood
of our action being taken in the company -

Will you further favor by informing if any
one of your acquaintances would be willing to
buy it at any price -

Trusting I am not trespassing upon you
I am Dear Sir

Very truly Yrs.

W. S. Arnold

Over

As yet to my time having been
so fully occupied in experimenting
on electric light I have been
unable to give much attention
to our milling. I hope however
to be able to take it up again
shortly.

Yours truly
W. S. Perry

W. S. Perry Co 45 Exchange
place New York

full information as to
the various articles in the
the one millery Co

1/2

1872
Penn^a. Fall Manufg. Co.

Chemical Works, at Niagara,
Lockport Co., N.Y.,
AND
GREENWICH, PENN^a.

Manufacturing Chemists, and Importers of Explosives.

Nationa, 6 Nov 1872

Dear Sir,

Monte Park

I am again in the country for a short time, but have been so busy I have been unable to find time to come and see you on the subject we discussed of separating the magnetic iron sands by a current of hydrogen gas, or hydro carbon gas, instead of mixing it with charcoal. I hope that before I leave to be able to do so.

What I wanted to ask you about first however was, cannot you get your machine, so as to separate the sand more perfectly? I had twenty tons of it sent to me by Mr. Sturges & Co., part of which has gone to England, the remainder is in New York. I find it contains over 4% of sand & other impurities, thus rendering it quite unfit for any direct use. I understood you to say that you could separate your machine to separate 70 tons a day of sand within 2% of purity, by one passing through it. If passed through a second time it would be

Sept 21st
1852

quite pure - ~~And could this be used as a~~
If it can there is a great future for this iron
and your machine, but there is no need experiment
with a chert process on pure magnetic oxide of iron,
until the know the magnetic oxide can readily be
produced in a pure state by your machine -

I have some parties waiting for some pure magnetic
sand, & anxious to experiment with it, but I have none
to give them, or fit my own use - would it be possible
for you to purify the parcel I have got in that pack
by a second separation, either at Wash. Park or your
store? If you could do this I should be exceedingly
obliged & would gladly send it about 8 tent to you
for the purpose -

A gift at your convenience & delivery. As above
would very much oblige
Yours truly
W. F. Mendenhall

[Faint, mostly illegible text, possibly bleed-through or a second letter]

Mendenhall
Sept 21st 1852

*Ore Milling
Edison Ore, Milling Co.
1882*

Mr. Edison:-

We are in receipt of a letter from Mr. W. J. Menzies, to whom we sold 20 tons of magnetic ore during the past summer. His writing is almost unintelligible so I have had it printed on the type writer and send Copy herewith.

Will you please give me your views.

S. B. Eaton,

Gen'l Manager.

Nov. 9th, 1882.

①

[ENCLOSURE]

Dear Sir:-

I have had the separated sand you sent me examined and find that it contains 4 per cent of impurity! This is so utterly different to what it was represented to me as containing, according to the card analysis you gave me, as partially to render it useless for the special purpose for which I required it. I have some of it still on hand and shall be glad to know if you will take it back. I must say I have paid for it quite under a misapprehension, and this being the case I shall be glad to know if the Ore Milling Co., will return me the amount I have paid to them for it, which really I consider should be done.

Cannot the Edison separator do better than this, or am I to consider this the best that can be done? If so I fear it will be useless to me and I was contemplating using it on a large scale at Moistic. I must say I am not surprised now that you have difficulty in selling the sand you separate. With 4 per cent of impurity it is unfit for any direct process for making steel, and only comes under the category of ordinary magnetic ^{iron} ores - such as "Republic" ore - but in the fine state of division it is in it cannot be used for many purposes for which Republic ore is used, consequently is quite dear at \$9. per ton. If it was really what it is represented to be, a pure magnetic iron, with a mere trace of impurity, large quantities could I have not the slightest doubt be sold at \$9. per ton in this district (Pittsburg alone).

Mr. Edison assured me - in fact offered to guarantee that his machine would separate within 2 per cent of impurity 70 tons

Westerly R.I. Dec 25th 1882

Mr W.A. Meadowcroft
65 Fifth Avenue N.Y.

Dear Sir

I herewith send you a list
of the Property at Beach which I have turned
over to Mr Beebe. and for which he has
receipted.

I returned from Peacevale Saturday and
have been detained here for a day or two on account
of sickness in my family. Will return to duty
in a day or two

Yours truly
M.R. Conley

P.S.

I hope to get reply to my letter of Sant Tuesday soon
as I have been notified a settlement must be made
before Jan 1st 1883.

M.R.C.

List of property belonging to the Edison
 One Milling Company. at Drummond's P.D.

- One Barker Engine & Boyler Complete
 and in good order
 One pump and fittings
 one Dynamo in good order
 5 Schemches
 2 hammers
 4 belt tools
 2 Self oilers for machines
 1 Pair Scales in good order
 10 Shovels
 3 Axes
 1 Iron bar
 1 hatchet
 1 Ax
 50 lbs Spikes
 28 feet 8 inch belt
 14 " 4 1/2 inch "
 36 feet of Elevator belt & Coups
 25 " " " " "
 15 feet 1 1/2 shaft
 8 Pulleys
 20 feet 1 inch pipe
 2 Magnets
 1 Edison Separator
 1 Mill for sifting sand

16 Cords of Wood
 1 Car ^{for} dumping sand
 100 feet tramway
 3000 Bush
 1600 lbs old iron
 2 Lamps
 10 feet rubber Hoes $3\frac{1}{4}$ inch
 30 New Bags
 1 Building 16X24 16 feet Posts
 2 Sand Sheds Each 12X30 Feet
 1 dryer Shed 10X30 feet
 1 Building for Ore 22X16
 500 lbs Coal
 1 pair pipe tongs
 25 feet $4\frac{1}{2}$ inch galvanized pipe

Received of W.R. Bentley the above
 list of articles Dec 25-1882
 John. O. Becher

List of Property at Suncoast
Beach, Belonging to the Edison Ore Mining
Co of New York.

One Bafter Engine ^{CH} & Boiler
 " Pump with fittings
 28 feet Bell-Sin
 14 " " 6"
 20 feet Elevator Like
 5 menches
 2 Hammers 1 mill for softing sand
 1 Hatchet
 1 Iron Bar
 2 Lamps with Fittings
 10 feet Hose
 one Power dynamo
 7 Pulleys
 1 Liner Shaft - 15 ft x $\frac{1}{2}$ diam
 2 Counter " 4 " x $\frac{1}{2}$ " "
 7 Ropes for shafting with Collars
 36 feet Elevators Setting with cups
 20 " Elevator " " "
 15 Showers
 3 Hoes
 2 Edison Magnets with Frames
 1 1/2 ft 1/2 in Galvanized Pipe
 30 New Sacks
 4 Bell Pits

500 lbs Coal
 16 Cords wood
 1 Car with track
 2000 Brick
 1600 lbs Iron
 50 " Spikes
 1 Pair saws Fairbanks Patent
 1 " Pipe Tonges
 Main Building & Shed & Corn Cribes
 About 2000 ft Lumber more or less

This is a True Copy of the Said
 Articles at the Beach

Dec 26 1882.

John. Peck

1882. Mining - Edison Ore Milling Company, Ltd. - Accounts (D-82-047)

This folder contains correspondence, payrolls, and accounts relating to the Edison Ore Milling Company's operation at Quonocontaug, Rhode Island. Related material can be found in the Edison Ore Milling Company Minute Book (Company Records Series) and in Letterbook, LM-005 (Letterbook Series).

Approximately 50 percent of the documents have been filmed. The following categories of documents have not been filmed: bills and receipts; bills of lading; checks.

Report of production of Iron ore at Democratic
Beach, R. I. for the week ending Jan 7th 1882

1882-01-07

Monday Jan 2	Snow			
Tuesday " 3				
Wednesday " 4	Rain			
Thursday " 5		71 Bags @ 125 Lb	8875	
Friday " 6	Rain & day	52 " " "	6500	
Saturday " 7		51 " " "	10125	
		<u>204</u>	<u>25500</u>	

W. W. Conley

1882-01-07

Payroll for the week ending Jan 7th 1882

Names	Occupation	Time	Rate	Amount
W. W. Conley	Engineer	6	250	1500
Jim O'Back	Chyaman	6	175	1050
James Brown	Watchman	4	150	600
John E. Burnett	Shopkeeper	4	125	500
P. H. Hoyle	" "	3	"	375
Thos. Hoise & Son	Hauling	4	350	1400
Oran Nichols	Hauling	4	125	500
Thomas Beardsall	" "	3	"	375
Hayward Beardsall	" "	3	"	375
John Tagler	" "	3	"	375
E. C. Hoise	" "	3	"	375
				<u>\$ 1425</u>

W. W. Conley

1882-01-07

Cash account for week ending Jan 7th 1882

Am	7	By balance on hand	-	\$ 76.00
"	"	By register L. tin		<u>100.00</u>
"	"	To Pay note to date	\$ 74.25	\$ 176.00
"	"	Brightman bill	<u>20.55</u>	
			\$ 95.10	
"	"	By cash on hand		\$ 80.90

W. W. Stanley

1882-01-14

Report of product of Iron ore at Luuocantong
Beach R.I. for the week ending Jan 14th 1882

Date	Bags	Lbs	Remarks
Monday Jan 9	47	5875	Half day rain
Tuesday " 10	71	8875	
Wednesday " 11			Snow & Rain
Thursday 12	96	12000	
Friday 13	62	7750	Rain & Snow
Saturday	276	34500	all hand shoring on Beach
JMR Clery			

THE EDISON ~~ELECTRIC ILLUMINATING~~ CO. OF NEW YORK, *Accountancy*

1882-01-14 DEPARTMENT.

To Sundry Persons, as follows, for Personal Services from *Jan 9* to *Jan 14th* 1882

We, whose names are hereto signed, acknowledge to have received the sums set opposite our respective names, in full for services as specified, and in full of all claims to above date.

No.	NAME.	OCCUPATION.	TIME.	RATE.	AMOUNT.	DEDUCTIONS.	AMOUNT DUE.	SIGNATURE.
	<i>M. R. Conley</i>	<i>Superintendent</i>	<i>6</i>	<i>\$2.20</i>	<i>15 00</i>			
	<i>John O'Boyle</i>	<i>Engineer</i>	<i>6</i>	<i>1.75</i>	<i>10 00</i>			
	<i>Leslie Bacon</i>	<i>Night watchman</i>	<i>5</i>	<i>1.00</i>	<i>7 50</i>			
	<i>Thomas Benedict</i>	<i>Shoemaker</i>	<i>4 1/2</i>	<i>1.25</i>	<i>5 62</i>			
	<i>Hayward Benedict</i>	"	<i>4 1/2</i>	"	<i>5 62</i>			
	<i>J. C. Bennett</i>	"	<i>4 1/2</i>	"	<i>5 62</i>			
	<i>John Boylen</i>	"	<i>4 1/2</i>	"	<i>5 62</i>			
	<i>Gran Richards</i>	"	<i>4 1/2</i>	"	<i>5 62</i>			
	<i>Wm. Bennett</i>	"	<i>4 1/2</i>	"	<i>5 62</i>			
	<i>Arthur Blinn</i>	"	<i>4</i>	"	<i>5 00</i>			
	<i>E. Howe</i>	"	<i>4 1/2</i>	"	<i>5 62</i>			
	<i>P. B. Howe</i>	"	<i>4 1/2</i>	"	<i>5 31</i>			
	<i>Thos. Hoisington</i>	<i>Building hand</i>	<i>4 1/2</i>	<i>3.00</i>	<i>14 87</i>			
	<i>Thom. Walker</i>	<i>Shoemaker</i>	<i>3</i>	<i>1.25</i>	<i>3 75</i>			
					<i>\$ 102.27</i>			
	<i>M. R. Conley</i>							

We hereby certify that the persons whose names appear on this sheet, have been paid the amounts set opposite their respective names.

Extensions and Footings
examined and found correct.

Certified as correct as to time and rates of pay.

Approved for payment of _____ 100 DOLL.

President.

1882-01-14

Cash account for the week End Jan 14, 1882

Jan	16	By Cash balance		\$80 90
"	"	" " From W.H. Meadmore & Co		<u>150 00</u>
				\$230 90
"	"	Pay note to date	\$102 27 X	
"	"	Wood bill	42 00 X	
"	"	1/2 doz Stencils	6 00 X	
"	"	Postage stamps	1 00 X	<u>151 27</u>
"	"	By Cash balance		\$79 63

W.H. Meadmore

112-01-21

Report of Product of Iron Ore at Iron-ore
 Beach R. I. for the week ending Jan 21 1882

Jan 16	Wagon	26	526
"	Magday	97	1225
"	Iron	112	14000
"	Food		
Jan 18	Food		
Jan 19	Food	80	10000
		289	36125

M. W. Conley

Form No. 15. 5, '91-29 page, 50 cents.

112-01-21

THE EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK, *Iron-ore Beach R. I.* DEPARTMENT.

To Sundry Persons, as follows, for Personal Services from *Jan 10* to *Jan 21* 1882

We, whose names are hereto signed, acknowledge to have received the sums set opposite our respective names, in full for services as specified, and in full of all claims to above date.

No.	NAME	OCCUPATION	TIME	RATE	AMOUNT	DEDUCTIONS	AMOUNT DUE	SIGNATURE
	M. W. Conley	Superintendent	6	\$ 2.50	15 00			We hereby certify that the persons whose names appear on this sheet, have been paid the amounts set opposite their respective names.
	John O. Locke	Engineer	6	1.75	10 50			
	Joseph Brown	Dryer, Night	8	1.00	8 00			
	Thomas Benedict	Shoebinding	8	1.25	6 25			
	Harvard Benedict	"	5	"	6 12			
	Gran Nichols	"	4	"	5 62			
	E. Bennett	"	5	"	6 12			
	W. Bennett	"	1	"	2 25			
	Cythera Blavin	"	5	"	6 25			
	Thomas Walker	"	3	"	3 75			
	Ed Hope	"	5	"	6 18			
	D. Howe	"	5	"	6 56			
	Thos Howe	"	5	"	18 24			
	John Taylor	"	5	"	6 25			
					107 00			

M. W. Conley

Extensions and Footings
 examined and found correct.

Certified as correct as to time and rates of pay.

Approved for payment of..... 106 Doll.

President.

1882-01-01

Cash account for the month ending Jan. 31 1882

Jan	23	By bank balance			879	63
"	"	registration Letter			100	00
"	"	Pay roll to date	\$ 107	00	x	
"	"	Expenses	3	80	x	
"	"	Fare bill		60	x	
"	"	Telegram	10	59	x	
"	"	Letter to treasury		40	x	
"	"	Stationery	1	00	x	
"	"	bank balance				125 46
						\$ 54 18

W. R. Conley

1882-01-28

see also
Manlio Taylor
Payroll

Report of product of Iron Ore at Quincy
Beach R.I. for week ending Jan. 28/1882

Jan 23
" 24
" 26
" 27
" 28

hrs

Lk
24 08
12 300
24 217

60626

W McColey

Form No 12. U. S. G. O. - 20 cents.

THE EDISON ~~ELECTRIC~~ **ILLUMINATING** CO. OF NEW YORK, Quincy Beach R.I. DEPARTMENT.

1882-01-28

To Sundry Persons, as follows, for Personal Services from Jan. 23 to Jan. 28 1882

We, whose names are hereto signed, acknowledge to have received the sums set opposite our respective names, in full for services as specified, and in full of all claims to above date.

No.	NAME.	OCCUPATION.	TIME.	RATE.	AMOUNT.	DEDUCTIONS.	AMOUNT DUE.	SIGNATURE.
	W. B. Lanley	Subsuperintendent	6 1/2	2.00	15.00			We hereto certify, that the persons whose names appear on this bill, have been paid the amounts set opposite their respective names.
	John W. Beall	Engineer	6	1.75	10.50			
	George Baker	on night	5	1.00	7.50			
	Thomas Beaudin	Shooting	4 1/2	1.25	5.62			
	Alfred Beaudin	"	4 1/2	"	5.62			
	John Nichols	"	4 1/2	"	5.62			
	John E. Bennett	"	4	"	5.00			
	Arthur Belven	"	4	"	5.00			
	Thomas Walker	"	4	"	5.00			
	Ed. Howe	"	4	"	5.00			
	P. B. Howe	"	4	"	5.00			
	John Taylor	"	4	"	5.00			
	Wm. Ballitt	"	4	"	5.00			
	Free House & Lean	"	4	8.00	14.00			
					<u>\$98.56</u>			

W McColey

Extensions and Footings examined and found correct.

Certified as correct as to time and rates of pay.

Approved for payment of

100 Dols.

President.

1882.01.58

Cash account for Truck Empl. Jan 28 1882

Jan	28	By Cash Balance		\$54.18	
"	"	" Register - Letter		<u>252.00</u>	
"	"	Pay note to date	x	\$98.86	\$304.18
"	"	Lantern	x	1.25	
"	"	Lamp + Chimney	x	30	
"	"	Rivets + hardware	x	1.50	\$101.91
"	"	By Cash balance			<u>\$202.27</u>

W. R. Cluley

Laboratory of
Thomas A. Edison
 Menlo Park N.J.

We Billing Co January 31st 1882
 To Thomas A. Edison 1.00

Dec	2	To Pay Roll	36 00
"	10	To Pay Roll	36 00
"	17	To Pay Roll	36 00
"	24	To Pay Roll	36 00
"	31	To Pay Roll	36 00
"	31	To Cash Expns. Ticket to N.Y.	9 50
Jan	6	To Pay Roll	36 00
"	13	To Pay Roll	36 00
"	14	To Cash Expns on M ^{rs} Gump's receipt	2 00
"	19	To E.P. Benjamin & Co. (meals)	2 25
"	20	To Pay Roll	36 00
"	27	To Pay Roll	36 00
Feb	2	To Cash Expns. Ticket to N.Y.	9 50
"	3	To Pay Roll	32 00
"	10	To Pay Roll	36 00
"	17	To Pay Roll	10 05
"	24	To Pay Roll	6 45
Mar	4	To Pay Roll	6 00
"	11	To Pay Roll	7 50
"	19	To Pay Roll	12 00
"	18	To Salamander Works (muffs. 771)	7 00
"	26	To Pay Roll	18 25
			382 50

Laboratory of
Thomas A. Edison
 Menlo Park, N. J.

1882

the Milling Co. — January 31st 1882

1881	To Thomas A Edison	1882
	Carried Forward	982 50
April	To Pay Roll	39 50
"	To Pay Roll	17 20
"	To Pay Roll	10 00
"	To Cash Cartons Bunnings to Washington Freight	6 12
"	To J Bergerud Sons Mfg Co for Insured	73 60
May	To Cash Freight	40
June	To Pay Roll	7 00
"	To Cash Fare and Expense to Canada	250 00
"	To Pay Roll	1 50
"	To Cash Freight	85
"	To Messrs Geo Robbins & Chemicals	4 42
"	To James Aircman two Pans	1 07
July	To Cash Freight	1 32
"	To Cash Chamois	60
"	To Messrs Geo Robbins & Chemicals	2 46
"	To H Claydon Cartage	50
"	To Pay Roll	16 90
"	To Edison Lamp Co 2000 Mercury	8 30
"	To Pay Roll	29 99
"	To Messrs Geo Robbins & Chemicals	2 30
"	To Messrs Geo Robbins & Chemicals	9 10
		<u>795 47</u>

Laboratory of
Thomas A. Edison

Lenox Park, N.Y.

763

One Milling Co. January 31st

1882

To Thomas A. Edison

1881			1881
		Barned Forward	795 47
		To McKesson and Robbins Chemicals	8 05
July	13	To Cash Freight	1 65
"	16	To Cash Freight	25
"	18	To McKesson and Robbins Chemicals	1 00
"	16	To Cash Freight	76
"	21	To Pay Roll	27 50
"	21	To McKesson and Robbins Chemicals	1 50
"	21	To Cash Dr. Kind Pan to 11/11.	1 00
"	23	To Cash Rock Board	5 00
"	23	To Cash Saviour Expense	12 00
"	26	To Cash Freight	85
"	22	To McKesson and Robbins Chemicals	3 50
"	25	To Pay Roll	27 84
"	28	To H. Carey Cartage	2 00
Aug	2	To Pay Roll	34 25
"	11	To Cash Expense in N.Y.	35
"	11	To Pay Roll	20 00
"	11	To Cash Dr. Clara Fair and Exp South	119 00
"	13	To Cash Rock Board	15 00
"	18	To Pay Roll	20 00
"	25	To Pay Roll	26 00
			<u>1122 97</u>

Laboratory of
Thomas A. Edison

710 N

Lomb Park, N.Y.

are missing to

January 31st 1882

1881

To T. A. Edison

1.00

		Carried Forward	1122 97
Sept	1	To Pay Roll	20 00
"	2	To Messrs. Robbins & Co. materials	11 50
"	5	To Cash Freight	35
"	8	To Pay Roll	20 00
"	13	To Pay Roll	20 00
"	23	To Pay Roll	20 00
"	24	To Cash Expenses	30
"	24	To Cash Mr. Knickerbocker's Exp. Inc.	6 00
"	29	To Pay Roll	20 00
Oct	1	To Cash Mr. Knickerbocker's Exp.	48 50
"	11	To Cash Freight	87
"	6	To Pay Roll	26 45
"	8	To Cash Mr. Knickerbocker's Exp. Inc.	2 00
"	13	To Pay Roll	20 00
"	20	To Pay Roll	20 00
"	20	To A. & P. 10 Discounts	4 00
"	22	To Cash Mr. Knickerbocker's Exp. Inc.	6 00
"	22	To Cash Freight	25
"	27	To Pay Roll	20 00
"	28	To Paid 76 Bags Muffles for Furnace	8 10
"	29	To Cash Freight	35
			1397 64

Laboratory of
Thomas A. Edison

1885

Newark, N. J.

We Messing Co January 31st 1885

1881	To Thomas A Edison	1882
	Barnett Forward	1897 64
Nov 3	To Pay Roll	20 00
" 10	To Pay Roll	20 00
" 11	To Cash Rich Fine South	20 00
" 11	To Chas Platt Gasoline	9 40
" 17	To H. C. Ayer Carriage	75
" 17	To Pay Roll	25 40
" 16	To Cash Freight on Land	2 10
" 15	To Cash Freight on Gasoline	40
" 19	To F. H. McAllister Microscope	100 00
" 19	To Cash Freight on Car	25
" 23	To Cash Freight on Microscope 113rd	1 20
" 21	To W. Messer and Robbins Chemical	9 70
" 21	To Pay Roll	27 13
" 24	To Cash Freight on Chemicals	25
" 26	To Cash Mr. Board Fare Exp. to N. Y.	8 40
" 29	To Cash Freight on Car	70
Dec 1	To Pay Roll	30 00
" 6	To A. B. Winans Pipe and Work	1 00
" 7	To Cash Freight on Car	35
" 8	To Pay Roll	19 82
" 10	To Cash Carriage on Road	50
		<u>1757 99</u>

Laboratory of
Thomas A. Edison

7106

Hoboken, N. J.

are missing Co

January 31st

1882

484		To T. A. Edison	100
		Carried Forward	1757 99
Dec	8	To W. Freeman haul coal	1 11
"	11	To H. C. Ayers carriage on coal	72
"	15	To Pay Roll	23 35
"	15	To Cash Freight on soft coal	12 42
"	23	To Pay Roll	19 49
"	29	To Pay roll on Stamp mill	2 55
"	29	To Cash Doughton Limited Stamp mill	7 00
"	29	To H. C. Ayers Stamp mill Carriage Limited	4 00
"	29	To H. C. Ayers Carriage on coal	3 80
"	29	To S. F. Curran and Carriage on coal	1 26
"	29	To Patterson Bros Stamp mill Nails	10 20
"	31	To Cash stamp mill Freight on Nails	30
"	31	To Cash Freight on lead	25
"	31	To Cash Freight on Es machine	35
"	31	To Cash Stamp mill Freight on Bolts	67
"	31	To Cash Road Gasoline	9 62
"	31	To Pay Roll	18 68
"	31	To Pay Roll Stamp mill	39 55
"	31	To Cash Stamp mill Fare to N. J.	35
"	31	To Cash Stamp mill Fare on Hardware	15
"	31	To J. S. Clark and Ayers	1 75
			1915 56

Laboratory of
Thomas A. Edison

1207

Houlbark St. N. J.

One Month to January 31st - 1882

1881

T. Thomas A. Edison

100)

		Earned Forward	
Dec	31	To Geo B Newton	1915 56
1882		Soft Coal	4 50
Jan	3	To Pay Roll	23 50
"	5	To Pay Roll Stamp Mill	51 23
"	5	To Cash Le Hard Hamps to my	4 00
"	11	To Cash Stamp Mill Freight on Hardwood	12
"	7	To Cash Freight on Chemicals	1 15
"	7	To Cash Stamp Mill	9 90
"	7	To Lehigh Valley Coal Co hard Coal	51 62
"	11	To McKeessons and Robbins Chemicals	22 66
"	15	To McKeessons and Robbins Chemicals	11 90
"	12	To Pay Roll	16 67
"	12	To Pay Roll Stamp Mill	55 80
"	10	To Cash Stamp Mill Freight on Hardware	24
"	16	To Cash Stamp Mill Freight on Frames	25
"	7	To Vandenberg and Sons Stamp Mill Lumber	60 76
"	12	To Price Roofing Co Stamp Mill Roofing Paper	26 80
"	16	To Patterson and Stamp Mill Wrought Nails	45
"	19	To Pay Roll Stamp Mill	34 08
"	19	To Pay Roll	17 40
"	19	To McKeessons and Robbins Chemicals	18 75
"	19	To Cash Stamp Mill Put on Pulley Paper	2 53
			2310 87

Laboratory of
Thomas A. Edison

North Park St

7108

are missing Co January 31st 1882

1882

To Thomas A. Edison

100

		Carried Forward		2310	87
July	20	To Cash Stamp Mill Freight on Hardware			25
"	23	To Cash Stamp Mill Due to 1123			35
"	23	To Cash Freight on chemicals			12
"	25	To Cash Part in the separator		1	45
"	25	To Cash Stamp Mill Part in sack			12
"	26	To Pay Roll Stamp Mill		28	75
"	26	To Pay Roll		10	56
"	28	To Cash Stamp Mill Freight on Boards			25
"	27	To Patterson Board Stamp Mill Book and Books			47
"	28	To Murray and Sperry Stamp Mill Stamp Battery	1166	00	
				3443	49
			LOD	LOD	
Jan	26	By J. H. MacArthur Paid by H. S. Cutting	3443	49	
		By Balance		160	00
				3283	49
		Dr to Balance	3283	49	

1882-02-04

Report of Product of Iron Ore at Quonset Point
Beach R S for week Ending Feb 4 1882

Jan	30	Monday	In bin	13 000	
	31	Tuesday	"	15 000	
Feb	1	Monday	" snow		
Feb	2	"	"		
"	3	Tuesday	"	20 470	
Feb	4	Saturday	"	<u>12 674</u>	<u>61,144</u>

W R Lenley

One Month

THE EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK,

Democratic, N.Y.

1882-02-04

DEPARTMENT.

To Sundry Persons, as follows, for Personal Services from *Jan 20* — to *Feb 4* 1882

We, whose names are hereto signed, acknowledge to have received the sums set opposite our respective names, in full for services as specified, and in full of all claims to above date.

No.	NAME	OCCUPATION	TIME	RATE	AMOUNT	DEDUCTIONS	AMOUNT DUE	SIGNATURE
	<i>W. R. Conley</i>	<i>Superintendent</i>	<i>6</i>	<i>2.50</i>	<i>15.00</i>			<p><i>We hereby certify that the persons whose names appear on this list, have been paid the amounts set opposite their respective names.</i></p>
	<i>John O. Roche</i>	<i>Engineer</i>	<i>6</i>	<i>1.75</i>	<i>10.50</i>			
	<i>Jesse Brown</i>	<i>Night m. driver</i>	<i>8</i>	<i>1.25</i>	<i>7.50</i>			
	<i>Thomas Benedict</i>	<i>Shoaling</i>	<i>4 1/2</i>	<i>1.25</i>	<i>5.62</i>			
	<i>Blagden Benedict</i>	" "	<i>4 1/2</i>	" "	<i>5.62</i>			
	<i>John E. Brett</i>	" "	<i>5</i>	" "	<i>6.25</i>			
	<i>John Toblen</i>	" "	<i>5</i>	" "	<i>6.25</i>			
	<i>Oran Nichol</i>	" "	<i>5</i>	" "	<i>6.25</i>			
	<i>Ed Howe</i>	" "	<i>4</i>	" "	<i>5.00</i>			
	<i>Ray Howe</i>	" "	<i>4</i>	" "	<i>5.00</i>			
	<i>Wm. Carter</i>	" "	<i>5</i>	" "	<i>6.25</i>			
	<i>Clyde Beaman</i>	" "	<i>4</i>	" "	<i>5.00</i>			
	<i>Theo Howe & Son</i>	" "	<i>5</i>	" "	<i>17.50</i>			
					<i>\$ 101.74</i>			<i>W. R. Conley</i>

Extensions and Footings

examined and found correct.

Certified as correct as to time and rates of pay.

Approved for payment of _____

100 Doll.

President.

1882.02.04

Cash account for week End Feb 4 1882

Feb 4	By Cash balance	✓	\$202.27
"	From W.H.M.	✓	100.00
"	To Pay roll to date	\$101.74 X	\$302.27
"	Sherman & President's bills	70.65 X	
"	Grace Brothers	1.00 X	
"	Supp for Iron bucket	1.25 X	
"	Wm A. Beck	3.75 X	
"	Rickels for two trips to Westbury	3.00 X	
"	Expenses to New Britain, Conn	11.75 X	
"	Post & Return		
"	Extra labor shoveling snow	11.30 X	
"	Telegram	40 X	\$204.84
"	By Cash balance		\$97.43

W.W.C. Conley

Pay-rolls for month Ending Feb 11th 1882

1882-02-11

Name	Occupation	Days	Rate	Total
Wm R. Conley	Superintendent	6	\$2.50	15.00
John C. Byrke	Engineer	6	1.75	10.50
Jesse Brown	Shovelman	2	1.25	2.50
John Nichol	"	2 1/2	"	3.12
Thomas Bennett	"	3	"	3.75
Arthur Blinn	"	3	"	3.75
John Taylor Jun	"	4	"	5.00
Theo Horn	"	2	2.00	4.00
				<u>\$80.62</u>

Wm R. Conley

1882-02-11

Cash account for the month Ending Feb 11th 1882

Feb 11	By Cash Balance		\$97.43
"	By Payroll to date	\$58.60	X
"	Postage stamps	1.00	X
"	By Cash Balance		<u>\$45.83</u>

Wm R. Conley

Pay roll for Week Ending Feb 18th 1882 ¹⁸⁸²⁻⁰²⁻¹⁸

Names	Occupation	Days	Rate	Amount
John O'Boeh	Engineer	6	\$1.75	\$10.50
James Green	Night on duty	6	1.50	9.00
John Ligon	Shoaling	6	1.25	7.50
John "	" "	6	" "	7.50
John E. Smith	" "	6	" "	7.50
Thomas Buehler	" "	4 1/2	" "	3.62
Norand "	" "	6	" "	7.75
Olaf Nichol	" "	6	" "	7.50
Ray G. Howe	" "	5	" "	6.25
Wm Patten	" "	5	" "	6.25
Ed Webster	" "	5	" "	6.25
Edwin Patterson	" "	6	" "	7.50
Geo. Howe	Hauling Logs	2	3.50	7.00
Sam B. Howe	" "	3	" "	10.50
Paul Howe	" "	2	" "	7.00
W. R. Conley	Superintendent	6	2.50	15.00
				<u>\$129.62</u>

1882-02-18

Report of output of Ore for week ending Feb 18th 1882

Feb 13	Monday	rimming Ice of Bank	
" 14	Tuesday	Hauling Logs	
" 15	Wednesday		13455 Lbs
" 16	Thursday		8905
" 17	Friday		16660
" 18	Saturday		18000
	Total		<u>57020</u>

W. R. Conley

1882-02-18

Wash account for week End Feb-18-1882

Feb	18	By Wash balance	\$45.83
"	18	By Register letters	100.00
"	"	To Pay roll to date	\$129.62
"	"	By Wash balance	145.83
			<hr/>
			\$16.21

1882-02-05

Am't of Iron Ore for Week End Feb 25-1882
at Lumsontong Beach R.D

Monday Feb 20
Tuesday 21

15720
5330 20450

W.R. Conley

1882-02-05

Pay roll for week ending Feb 25th 1882

Feb	20	Names	Occupation	No. days	Am't
		John D. Beebe	Engineer	6	\$10.50
		James Keen	Wagon driver	4	6.00
		John E. Jacott	Shoring	5	6.25
		John Taylor	" "	5	6.25
		Thomas Beardsick	" "	3 1/2	4.37
		Hayward Beardsick	" "	3	3.75
		John Patton	" "	4	5.00
		Oran Nichols	" "	5	6.25
		Elijah Rathbone	" "	3	3.75
		P. G. Hope	" "	5	6.25
		S. B. Howe & Jenn	" "	5	17.50
		Ed Webster	" "	5	6.25
		W.R. Conley	Superintendent	6	15.00
		W.R. Conley			<u>\$97.13</u>

1882.02.05

cash account for the week End Feb 25th 1882

Feb 25	By cash on hand		\$16.21
" "	By Reg. Letter		30.00
" "	Pay note to date	X \$97.13	<u>316.21</u>
" "	Home for wood	X	44.61
" "	Pyffer's Bill	X	1.61
" "	W. J. Moses bill	X	5.48
" "	E. B. Price	X	48.00
" "	H. A. Woodard on acc	X	53.00
" "	Levs trip to Mantie for Reg	X	2.00
" "	one trip to Westley for m ^o ndro		1.50
" "	to Cooper Mills		1.50
" "	Black Smithing at Cooper Mills		80
" "	cash balance		<u>252.63</u>
			\$163.88

J. W. Cowley

Am't of Ore for Week Ending March 4

Feb 27	Waiting for dynamo	14 720 Lbs
28	Dynamo out of order	
March 1	" " "	
" 2	" " "	
" 3	" " "	
" 4	" " "	

Pay roll for week Ending March 4 1882

Name	Occupation	Time	Rate
W. R. Collier	Superintendent	6	15 00
John O'Beake	Engineer	6	10 50
Lease Green	Right hand dyn	4	6 00
Logg and Benoit	"	3 1/2	5 25
John Benoit	Shoaling	4	5 00
Ed Lockerton	"	4	5 00
Elvin Kalkbone	"	4	5 00
Wm. Foster	"	3 1/2	4 27
John E. Haatch	"	3 1/2	4 27
John Taylor	"	4	5 00
Oranl Nichols	"	3 1/2	4 27

\$69.86

1882-03-04

Cash account for week ending March 4, 1882

Mar		Dr	Cr
4	By balance		\$69.83
	Register Letter		<u>200.00</u>
	To Pay note to date	x \$69.86	\$269.83
	" Balance on Woodards acc	x .23 30	
	" Slocking Ore	x .10 00	
	" Dohlesons bal	x .8 90	
	" Kenyon "	x 21 73	
	" Logan "	x 12 00	
	" Lewis "	x 23 47	\$177.28
	Albinston & Douglas		
	Cash balance		<u>\$92.55</u>

W. W. Orley

1882-03-11

Pay roll for Week Ending March 11, 1882

	Names	Occupation	Days	Rate	Cost	
Mar	11	M. R. Conley	Supervisor	6	2.50	\$15.00
"	"	John O. Boeke	Engineer	6	1.75	10.50
						<u>\$25.50</u>
		M. R. Conley				

1882-03-11

Cash account for Week Ending March 11, 1882

		Dr	Cr
Mar	11		By balance
			\$92.55
"	"	To Payroll to date	25.50 X
"	"	" Freight on logs	2.50 X
"	"	" Salary to Wilmington, New York & Conley	3.00 X
"	"	" Porter fees, Ackerman & Clark fee	2.00 X
			<u>\$20.75</u>
			Balance
			\$61.80
		M. R. Conley	

1882-03-18

Pay roll for Week Ending March 18th 1882

Names	Occupation	No days work	Rate	Quit
John O'Beke	Engineer	6	\$1.25	\$7.50
Rory Keiryon	Blowing sand	3	32 ⁵	1.02 ⁵
W. McElroy	Superintendent	6	25 ⁰	1.50 ⁰
	W. McElroy			\$35.75

1882-03-18

Cash account for Week End March 18th 1882

Month	Day	Description	Dr	Cr
March	18	By Cash balance		\$61.80
"	"	" Registered Letter		100.00
"	"	"		<u>161.80</u>
"	"	To Pay roll to date	X \$35.75	
"	"	" Hauling bag on to west side	X 25 ⁰	
"	"	" Postage stamps	X	20.83
"	"	By Cash balance		<u>125.30</u>
				\$125.30

W. McElroy

1882-03-05

Payroll for Week Ending March 25 1882

Name	Occupation	Days	Amount
McK. Conley	Shaper and cutter	6	\$16.00
John D. Borch	Engineer	6	10.80
Ben. Mason	Hauling sand	4	14.00
			\$39.80

1882-03-05

Cash account for Week Ending March 25 1882

March 25	By balance		\$125.30
"	To Payroll to date	\$39.80	X
"	" Hauling 1 Ton Ore to Mine	2.50	X
"	" Expense to Day boat and net	4.60	X
"	" Stationery	1.00	X
			\$47.60
"	By balance		\$77.70

1882-04-08

Pay roll for Truck East of W.P. 8th 1882

Name	Occupation	Days	Rate	Total
John W. Deady	Engineer	6	200	1200
		6	170	1020
				2220 2000

1882-04-08

Cash account for the week ending April 8th 1882

April 8	By Cash received in N.Y.	Dr	Cr	
"			\$100.00	
"	To Expenses to New York and subs		10.00	
"	To Payroll to date		25.00	
"	Balance		1.00	
"	By balance			\$37.50
				\$62.45

Week ending April 15/82

Mr. Conley's statements

Pay roll for Week Ending April 15th 1882

1882.04.15

Names	Occupation	@ Time	Am't
W. R. Conley	Independent	6 days	\$ 15.00
John A. Zebe	Engines	6 "	" 10.50
			<u>\$ 25.50</u>

Bank acc for Week Ending April 15 1882

1882.04.15

April 18	By bank balance	\$ 62.42
	Register Letter	15.00
		<u>\$ 77.42</u>
	Pay note to date	\$ 25.50
	Wood account	\$ 164.50
	By balance	190.00
		<u>\$ 224.2</u>

Total amt of receipts and disbursements at Linn County

Beach R. J. From Nov 14 1881 to April 8 1882 Dr Cr

Nov	14	Reserved Cash in New York	\$677 75
"	26	By register letter	100 00
Dec	12	"	200 00
Jan	12	"	300 00
"	7	"	100 00
"	16	"	150 00
"	23	"	100 00
"	28	"	200 00
Feb	4	"	100 00
"	18	"	100 00
"	25	"	300 00
March	4	"	200 00
"	18	"	100 00
April	8	"	100 00
			<u>1000 00</u>

		1882	Amount of Disbursements	
Nov	19		\$555 43	\$2717 75
"	26	"	86 22	
Dec	3	"	88 90	
"	12	"	76 06	
"	19	"	74 87	
"	26	"	78 00	
Jan	2	"	224 00	
"	7	"	95 10	
"	16	"	151 27	
"	23	"	125 45	
"	28	"	101 91	
Feb	4	"	204 84	
"	11	"	57 61	
"	18	"	129 62	
"	25	"	246 38	
March	4	"	177 28	
"	11	"	30 75	
"	18	"	36 80	
"	25	"	47 60	
April	1	"	79 25	
"	8	"	37 55	\$2698 23
			<u>37 55</u>	\$19 52

Total amt of Ore taken out from Nov 14 1881 to Dec

and now at Beach. (Self samples sent) 198 Tons

Amount on hand previous to Nov 14 1881 35 233

1882-04-29

Pay roll for Week Ending April 29th 1882

Names	Occupation	Time	Rate	Cent
M. R. Conley	Superintendent	6 1/2	\$ 15.00	
John B. Baker	Engineer	6 1/2	10.00	
M. R. Conley			<u>\$ 25.00</u>	

1882-04-29

Cash account for the Week Ending April 29th 1882

Apr 29	By balance	Dr	By
	To Payroll to date		\$ 33.42
	M. R. Conley	X	25.00 25.00
			<u>\$ 29.92</u>

1882-05-06

Cash account for week Ending May 6 th 1882		L	
May 6	By cash balance		\$ 29 92
" "	" " from W H Meadows ft		50 00
" "	to Expenses to Providence N.Y.	✓ 27 40	79 92
" "	" Pay roll to date	✓ 25 50	52 90
" "	By Balance		<u>\$ 27 02</u>

1882-05-13

Cash account for week Ending May 13 th 1882		C	
May 13	By cash balance		\$ 27 02
" "	Pay roll to date	✓ 25 50	
" "	Expenses to Monto Park construction	✓ 8 75	34 25
" "	To Balance due		<u>\$ 7 23</u>

1882-05-20

Cash account for the week Ending May 20th 1882

		Dr	Cr
May 20	By Cash from W.A. Meadmore		\$ 100.00
" 20	Payable to date	X \$ 25.50	
" "	Expenses	X 21.40	
" "	To balance	7.23	
" "	" Brightman's bill	X 36.21	
" "	" Rice Brothers	X 2.44	92.87
" "	By balance		7.13

M.R. Conley

1882-05-27

Cash account for week Ending May 27th 1882

		Dr	Cr
May 27	To Payable to date	\$ 28.50	X
" "	Expenses	13.00	X
" "	P to Home for hauling 1/2 ton ore	1.50	X 40.00
" "	By balance	7.13	
" "	" Cash from W.A.M.	8.00	\$ 12.13
" "	To Balance		\$ 27.87

M.R. Conley

1882-06-03

Cash account for the week ending June 8 1882

June 3	By register Letter	Dr	62	
" "			95	00
" "	To Balance	\$	27	78
" "	" Payable to date		25	50 X
" "	" Stationary & stamps		1	00 X
" "	" Train Ticket to Beach for 2 days		8	00 X
" "	" Repairs on wagon		7	50 X
" "	" Emptying & handling ²⁰⁰⁰ dirt		12	00 X
	By balance		81	78
			13	22

1882-06-12

Westerly R.I.
June 12th 1882

Major S. B. Eaton

65 Fifth Avenue New York City

Dear Sir

Yours of the 10th duly received and contents noted. Enclosed please find receipt and statement of last week. - I have succeeded in getting a small sloop which will take the 30 tons of Ore to Stringtown from there will forward it without delay.

was all ready to load off beach to day but it was too rough. I will have to freight from beach to Stringtown at the end which will be about \$40 so will need some more money in you next. I will do my best to get the Ore to Sea this week.

Respectfully Yours
W. R. Bentley

[ENCLOSURE]

1852-06-10

Cash account for - credit Ending June 10th 1852

	Dr	Cr
June 10 By balance		\$ 18 22
" " register - Letter		100 00
" " To Pay wh to date	\$ 25 00	118 22
" " " Reif	\$ 28 00	
" " " for rondon and return	\$ 1 75	
" " " Providence	\$ 4 00	
" " " Freshy Island	\$ 1 80	57 75
" " By balance		\$ 55 47

M R Coley

1882-06-17

Cash account for the week ending June 17th 1882

June	17		Dr	Cr
		By Cash balance		\$ 55 47
		To Payroll to date	\$ 28 50 X	
		New London & Norwich line trip	8 40 X	
		Expenses at beach	16 00 X	
		Train from beach to Westport	2 50 X	
		Hauling 17 sacks ore	0 00 X	
		Telegrams		40 26 80
				<hr/>
		Balance	\$ 1 33	

J. M. Conley

Cash account for week ending June 25th 1882

June	25		Dr	Cr
		By register Letter		\$ 100 00
		To Payroll to date	\$ 25 50 X	
		Balance	1 33	
		Hauling Dynamite	1 50 X	
		Strength on " "	2 16 X	
		Bedding 537	15 00 X	
		Handling and handling	9 00 X	
		Telegrams	1 00 X	
		Ore trip to New London	1 20 X	
		Outditching blow at Strong's	6 00 X	
		Train pt of Strong's	2 50 X	\$ 66 19
		By balance		<hr/>
				\$ 34 81

1812-07-01

Cash account for week Ending July 1st 1882

July 1	By balance	\$ 37 51
"	To Pay role to date	25 50 x
"	Expenses to Hampton	4 70 x
	By balance	<u>8 4 61</u>

1882-07-08

Cash account for week Ending July 8th 1882

July 8	By Cash balance	\$ 4 61
"	" Register Letter	1 00 00
"	To Pay role to date	\$ 25 50 x
"	Expenses to get vessel	2 75 x
"	Livery	5 00
	WRCBury	<u>\$ 85 25</u>
		<u>\$ 69 36</u>

1882-07-16

Cash account for week Ending July 16th 1882

July 16	By balance	\$ 69 36
"	Pay role to date	\$ 25 50 x
"	Exp on books	1 60 x
"	Expenses Separating Ore	16 00 x
"	Hauling to Beach 20 tons ore	3 75 x
"	Delignans	75 x
"	Levee to Beach with books	2 50 x
"	Expenses on attachment of stony	9 50 x
	Balance	<u>\$ 59 60</u>
	WRCBury	<u>\$ 9 76</u>

1882-07-28

Cash account for week ending July 22nd 1882

	Dr	Cr
July 22	By balance	9 76
"	Registered Letters	100 00
		<u>109 76</u>
"	To Pay roll to date	x \$ 25 50
"	Letters	x 5 00
"	Boatman's Fee	x 15 00
"	Fire & Marine Ins	x 7 00
"	Fire Ins	x 3 75
"	Telegrams	x 1 00
"	Stamps	x 1 00
	Dr balance	\$ 61 25
		<u>\$ 48 51</u>

W. R. Conley

1882-07-29

Cash account for the week ending July 29th 1882

July 29	By cash balance	\$ 48 51
"	Pay roll to date	x 25 00
		<u>25 50</u>
	By balance	\$ 23 01

W. R. Conley

1882-08-19

Week Ending
Cash account for the Ending Aug 19th 1882

Aug	19	By balance				\$ 57	70
"	"	To Pay role to date	\$ 25	00	X		
"	"	" Expenses defuncting 800 Low ex.	40	00	X		
"	"	" " Working 800 Low / 022	- 8	00	X		
"	"	" " Working 800 " on bank	- 12	00	X		
"	"	" Expenses to Carolina	1	00	X		
"	"	" " " " " " " " " "	1	75	X		
"	"	" " " " " " " " " "	4	00	X		
"	"	" " " " " " " " " "	50	X		\$ 93	25
"	"	" Balance	\$ 41	00			
W.R. Orley							

1882-08-26

Week Ending Aug 26th 1882

Aug	26	By cash				\$ 100	00
"	"	To Pay role to date	\$ 25	00	X		
"	"	" Balance	41	00	X		
"	"	" " " " " " " " " "	1	00	X		
"	"	" { " " " " " " " " " " }	2	00	X		
"	"	" { " " " " " " " " " " }	2	00	X		
"	"	" Telegram	25	X		71	30
"	"	By balance				78	70
W.R. Orley							

1882-09-02

cash account for the week Ending Sept. 2 1882

Sept 2	By cash		\$ 78 70
"	To Pay roll to date	\$ 25 50 x	
"	" Hauling 2 boxes one to Miami	" 5 00 x	
"	" {Expenses after breakfast for trip}		
"	" to New London from beach	" 13 00 x	
"	" two telegrams	" 50 x	
"	" Men and boats on beach	" 12 25 x	
		25 56 25	
	By balance		" 22 45

M.R. Conley

1852-09 10

Westely B.I.

Sept 10th 1852

Mr W.A. Meadowcroft

#65 Fifth Avenue N.Y.

Dear Sir

I have with send you statement of last
week's expenses.

I am now in a fair way to have the
50 Tons of Ore in New York this week I now have
24 Tons loaded on the bar at Wiantic and expect
to have it all on Board of vessel at Stonington by
Thursday Morning.

Yours truly

W.R. Lovell

P.S.

Please send me price list of 60 & 120 Light
Machines. perhaps I may make a sale for you.

Since you started you light in New York, there has been
some Enquiries in regards to the Light
MPC

[ENCLOSURE]

1882-09-29

Cash account for the week ending Sept 9th 1882

	Dr	Cr	
Sept 9 By balance		\$ 22	45
" " Request Letter		100	00
" " To Pay note to date	\$ 25 50	122	45
" " Expense Monday & Tuesday to			
" " Providence New Post and New Sun	13 40	38	90
" " By Cash Balance		\$ 83	55

M.R. Conley

1882-09-17

Westerly B.I.

Sept 17th 1882

Mr U. A. Meadows apt

65 Fifth Avenue N.Y.

Dear Sir

Enclosed please find statement of last week. I have the 50 tons at Wilmington a week ahead the schooner Wanderer, which is going to take the 20 tons also. Boat could not get it to Wilmington in time to load last night - but will have it there to-morrow. I have had two very stormy days this week which put me back some.

In the future I can give
100 tons per month as now I can get Teams much more readily than in the past, and since the late rain the roads are in very good shape.

Please send me some money in your next

Yours truly
M. R. Bailey

Pl Enclosed you containing nice list of
Drama & fiction, but have done nothing yet as I have
been very busy with me.

[ENCLOSURE]

1882-09-16

Cash account for the week ending Sept 16 1882

Sept 16	By Cash balance		\$ 83	55
"	" Register Letter		<u>150</u>	00
			233	55
"	To Pay note to date	\$ 25	50	X
"	" 4 chaf on Bags		35	X
"	" Help separating 20 Tons Ore	" 19	25	X
"	" Hauling 70 Tons Ore @ 2 ⁰⁰	" 140	00	X
"	" Freight on 50 Tons @ 6 1/2 cts	" 30	80	X
"	" To Expenses on road transport	4	80	X
	By balance		\$ 12	85
	M. R. Conley			

1882-10-21

Cash account for the week Ending Oct 21 1882

Oct	21	By balance				40
"	"	" Register Letter			200	
					<u>200</u>	40
		To Payroll to acct	\$	25	00	X
		• Exp on Pags		2	97	X
		• Prof. Stamps		2	06	X
		• Laundry Team		6	00	X
		• Railroad Jan		3	70	X
		• Lamp Chimney		20	00	00
		By balance Club			159	82
		WRColey				

1882.10.30

Westley B. J.

Oct 30th 1882

Mr W. Meadowcroft

#65 Fifth Avenue N.Y.

Dear Sir

I herewith send you Statement
and vouchers of last week.

I presume the
Schooner has arrived before this, as I have heard
nothing from you since I sent you the
Bill of Lading last Tuesday night.

Yours truly
W. B. J.

[ENCLOSURE]

1882 10-28

Pay roll for the week ending Oct. 28th 1882

W.R. Conley Superintendent	6 days @ .250	\$15.00
John O. Beobe Engineer	"	" 1.25 10.00
John E. Searitt work on digger	7	" 1.50 10.50
Colman Bennett	7	" " 10.00
Tom Brown	7	" " 10.00
Hazard Benedict backing ore	7	" " 10.00
John Taylor shoveling	7	" " 10.00
Tom Langworthy	7	" " 10.00
Wm. S. Sibley	6	" " 9.00
	<u>60</u>	<u>\$97.00</u>
W.R. Conley		

1882-11-04

1
Westerly Nov 4th 1882
Mr W. A. Meadowcroft
65 Fifth Avenue N. Y.

Dear Sir

Yours of the 3rd to hand and enclosure noted and I here with send you corrected statement for the week ending Oct 28th. The item of \$12 for 48 days, you will find included in the Payroll which is for work in separating the 50 Tons, which had to be done in the regular way, and the 50 Tons was taken from the Sand direct from the beach with very little of the Ore mixed say about 10%. I am in hopes you will find this satisfactory, and correct

I am very much obliged for your trouble taken in regards to sand assay.

do you think there is a possible chance of extracting it to work. What has become of the last shipment of Ore it should have arrived long ago.

Yours Truly
W. A. Meadowcroft

[ENCLOSURE]

Cash Account for the Week Ending Oct 28th 1882 1882-10-28

Oct 28	By Cash balance		\$ 159 82
"	" Regular Letter		150 00
			<u>309 82</u>
	To Pay note to date	97 50 x	
"	" Freight	" 30 75 x	
"	" Hauling 940 sacks ore to	" 113 27 x	
	{ Manure }		
"	To Freight on Sacks	1 65 x	
"	" Loading 50 Tons ore at Huntington	4 25 x	
"	" Brightman	9 00 x	
"	"	5 58 x	
"	" Rail Road Fan	1 62 x	
"	" Team	4 00 x	
"	" Hauling 2 sacks Sand	2 00 x	
"	" Telegram		20 70 09
	By balance		<u>\$ 39 73</u>

W. W. Stanley

1882-11-11

Westerly, B. I.

Nov 11th 1882

Mr W. H. Meadowcroft

#68 Fifth Avenue N.Y.

Dear Sir

Your of Yesterday to hand and noted
Enclosed please find Statement of Last week.

Yours truly
W. C. Conley

P.S.

I was not aware I was expected on next week
But nevertheless am always ready to come at
short notice

W. C. Conley

[ENCLOSURE]

1882-11-04

Cash account for the Year Ending Nov 4th 1882

Nov	4	By Cash balance			39 73
.	.	Pay sale to date	\$ 25	50	25 50
		By balance			\$ 14 23
		W. R. Conley			

1882-11-19

Westbury B.I.

Nov 19th 1882

Mr W. A. Meadowcroft
#65 Fifth Avenue N.Y.

Dear Sir

I herewith send you statement
of last week's experiment.

I am sorry to say I cannot
report to you any experiment as yet.
In order to carry out Mr Edison's idea I had to
make some changes in the separator. I could not
lower the magnet-sufficient to do the work as it
was so had to take the screws out in order to
lower it at all. More than it was which caused
me some delay as I had to take the separator
all apart. Will report you something by Tuesday

Yours truly

M. R. Conley

{Pd had a fine snow storm yesterday
about 3 inches}

[ENCLOSURE]

1852. 11-11

Cash account for the week ending Nov 11 1852

Nov	11	To Payable to date	\$	25	50		
"	"	" Loan to Cross Mills	\$	2	50	\$	28 00
"	"	By Cash balance					14 23
"	"	To balance				\$	13 77
		<i>W. C. Conley</i>					

1882-11-18

Cash account for the week ending Nov 18 1882

Nov	18	By Cash				100	00
"	18	To Balance	13	77			
"	"	" Payrols to date	25	80	X		
"	"	" Expens ^t & in N.Y	1	25	X		
"	"	" Expens N.Y. to Westly	3	47	X		
"	"	" " Westly to N.Y	3	85	X		
"	"	" " N.Y. to Rockaway	2	00	X		
"	"	" " Car fare	1	00	X		
"	"	Hotel Bill 4 days in N.Y	10	00	X		
"	"	To 1 piece rent	1	25	X		
"	"	" Stamp and paper	1	00	X		
"	"	" Screws & Bolt	1	75	X		
"	"	" Team	1	00	X	66	34
"	"	By cash balance				33	66
		W. W. Conley					

1872-11-25

Cash account for the week ending Nov 25 1882

Nov 25	By Cash balance			\$ 33	66
"	To Payrol to date	\$ 25	50	x	
"	" Learn to Beach two trip	4	00	x	
"	" Exp ^{ts}		30	x	
"	" (What Mill Changing Machine and Separating)	12	00	x	
"	" Water gauge for engine		50	x	
"	" Packing "	1	50	x	
"	" Oil	2	00	x	
"	" Rope & Blocks	5	00	x 17	14
		\$ 50	80		
	M R Conley				

1872-12-02

Cash account for the week ending Dec 2 1882

Dec 2	By register Letter			\$ 100	00
"	To balance	\$ 17	14		
"	" Payrol to date	25	50	x	
"	" Expenses New York	2	43	x	
"	" Rochester MA	1	60	x	
"	" from Nov 27 to Dec 3 in New York	21	50	x 68	17
	By balance			31	83
	M R Conley				

1872-12-29
Dec 9th 1882

Cash account for the Week Ending Dec 9 th 1882					
Dec	7	By bank balance			\$ 31 83
"	"	Pay role to date	25	00	X
"	"	Exp New York to yesterday	2	43	X
"	"	Exp from Dec 3 rd to Dec 8	19	00	X
			\$ 46	93	15 10
		To balance Dec			
		M. P. Conley			

1872-12-15
Dec 15th 1882

Cash account for Dec 15 th 1882					
Dec	15	To Balance	16	10	
"	"	" on week	15	00	X
"	"	" Expence to NY	2	43	X
"	"	" Exp 4 day	12	00	453
"	"	By Cash		30	10
			\$ 14	43	
		To Balance			
		M. P. Conley			

1882. Patents (D-82-048)

This folder contains correspondence to and from Edison's patent attorneys, along with other correspondence relating to patent applications, patent litigation, and other patent matters. Included also are other patent-related documents, such as patent applications, caveats, preliminary statements, and a few printed patents.

Approximately 30 percent of the documents have been filmed. The following categories of documents have not been filmed: duplicate copies of correspondence; printed copies of Edison's U.S. patents (see Thomas A. Edison Papers Microfilm Edition, Part I, reels 1-2); copies of Edison's claims; other inventors' claims, specifications, and patents; correspondence and other documents concerning non-Edison patents, except when they relate directly to Edison and his work; routine bills and receipts from patent attorneys; routine correspondence from patent attorneys regarding accounts and fees.

Application files for Edison's domestic and foreign patents can be found in the Patent Series.



U. S. No. 1089.
P. O. BOX 200.

New York Jan. 3rd 1882.

Thos. A. Edison Esq.
Dear Sir:

The notice sent you
on Dec. 24th of allowance of your
application for patent on Telephone
should have been marked case
183 instead of case 182.

Yours truly,
Samuel W. Serrell
per Pickney

(2-071.)

Howson
"Form No. 91
All communications should be addressed to
"The Commissioner of Patents,
Washington, D. C."

DEPARTMENT OF THE INTERIOR,

United States Patent Office,

Washington, D. C., *July 3^d* 1882

*Jno Howson
Co Howson & Son
Present*

Please find below a communication from the EXAMINER in charge of your application

No. *444,647* for a Patent for Improvement in *Apparatus*

for the Transmission of Power filed *Oct 27* 1881
by Electricity. Very respectfully,

V. D. Stockbridge ~~Commissioner~~
actg Commissioner of Patents.

EX-1079. (1024-50,000)

*The claim as amended is met by Howson
166-527 Aug 10 '75 & Eng Pat 2303 of 1861
The claim is therefore rejected.*

HOWSONS'
PATENT OFFICES,
JAN 6 1882
119 South 4th St.,
PHILADELPHIA

[ATTACHMENT]

3 Dr. Hoffmann

Will you say in
secondary notes of this type
to Dr. H. that I had
tried to see him upon
the matter.



Prof. Wm. A. Edison
My Dear Sir:

Messrs. Fabrie & Lowrey desire
patents in South Australia & Tas-
mania: They do not think it safe
to put more than one English patent
in one patent there, but desire you
to look over the English patents
and designate which ones you
consider absolutely necessary for
the protection of the Light
inventions that are now employed.

Please indicate which of these English
patents must be protected there
and inform me at your early con-
venience and oblige. Yours truly

Samuel W. Perrell

2402 of 1879 — 1st claim if
 covered & include carbon filaments,
 16th claim

4076 of 1879 — 3rd claim

5757 of 1879 — 1st & 3rd claims

33 " 1880

578 " " — 1st, 2nd, ~~3rd~~, 4th, 7th, 14th
 9th, 10th, 11th, 12th, 13th,
 14th, 15th, 16th, 17th claims

602 of 1880

1380 " " 1st & 2nd claims

3765 " " 1st, 4th, 5th, 6th, 7th, 9th
 10th, 11th, 12th, 19th, 20th, 31st,
 27th.

3880 of 1880 — 1st, 2^d.

3964 " 1880 — 1st, 5th, 22^d, 23^d

4391 " 1880 — 24th, 25th.

539 " 1881 — 1st, 6th, 7th

562 " " — 4th, 5th

768 " "

1240 " "

1783 " " *provisional, should be made to
 correspond with complete.*

1802 of 1881

Should also include

meter described but not
 claimed in ^{Eng. Pat.} 4226 of 78

Conductors - U.S. Appl. 307.

Not
to be
returned
to
P.O. Box
200



P.O. Box, 200.

New York Jan. 11th 1882

Thos. A. Edison Esq.
Dear Sir:

Please send me your
Victorian patent of March 27, 1879. (cont'd)
as the same must be sent over with the
funds for 3rd years tax this week.
Please send this tomorrow if
possible.

Yours truly,
Kemuel W. Serrell
P. Pickney

File

P.O. Box, 260.



New York, Jan. 11th 1882.

Thos. A. Edison Esq.

Dear Sir:

I find it will be necessary to file the enclosed affidavits with the divisions 158^a & 158^b of case 158.

Will you oblige by signing, and after making oath before a Notary, send them to me at Washington care of Com^r of Patents.

I would like them forwarded tonight if possible. not later than tomorrow night.

Yours truly
Samuel W. Serrell
Pinckney

Jan 13,
E. directed Austrian
pat. to N.B.

Jan 13, Gemell telegraphed
Brandon
Send me Edison's Austrian
Patent Telephone

Brandon replies. 14th
Telephone patents required
in Vienna telegraphed for



P.O. Box, 4682.

New York, Jan'y 13 1882.

Thos. A. Edison Esq.

Dear Sir,

The favor of Mr Insul
just received.

English Patents Nos. 2482-2492-2954
3231-3483-3804 & 3932 ¹⁸⁸¹ have not yet been
received.

English Patents Nos. 4226-4502 & 5306 of
1878 were delivered to Mr. Fabris and are probably
now in England in connection with paying the
3^d yrs. tax. -

Norway Patent Case 1 May 20th 79 was
delivered to Dressel Morgan & Co.

Yours truly
Lemuel W. Terrell
L. Terrell



P.O. Box, 260.

New York, Jan. 14 1882

J. A. Edison Esq

Dear Sir

My dear Drexel Morgan

& Co. are getting anxious to hear from me in regard to the Tasmania and South Australia Patents. Justly received a note from them -

Please let me hear from you on this matter at your earliest convenience
truly

Yours truly
Lemuel W. Serrell
LWS:ps



New York, Jan'y 17th 1882.

Thos. A. Edison Esq.

Dear Sir

In connection with sending H. H. L. Co. my bill for last quarter, is there any reason why the charges on No. 99, should not be charged to said company as usual.

Your prompt reply will oblige

Yours truly
Lemuel W. Serrell
H. Serrell



P.O. Box 4689.

New York, Jan 18th 1882

Prof. J. A. Edison
My Dear Sir

Your favor of yesterday relative to case 99, division A. is to hand I have refrained, all along, from becoming mixed into the question of ownership; my duty only is to get the patents. In view of the fact that all the proceedings in relation to case 99 have been paid for by W. U. T. Co. you request that the expenses on the division be charged to your account, places me in an embarrassing position, and unless it very difficult to keep the matters on 99. and 99. A. separate. The payments to me cannot in the end make any difference in the title. Is it still

you wish that this part
of your letter be complied
with. —

Yours truly
Samuel W. Cornell

I request that the
final fee be paid
by me and patent
delivered to me

that will be ok

22 BUREAU STREET,
LOOK FOR THE

GEO. W. DYER,

ATTORNEY AND COUNSELLOR AT LAW, *Aggr*
WASHINGTON, D. C., *Jan 14 30* 1882

Miscellaneous

Prof. Chas. A. Edison

Revised. By mutual consent the firm of Edger & Walker is dissolved, to take effect Feb 1, 1882.

I return you your letter of September 25th 1881, assuming that the employment therein directed arose from my business connection with Edger & Walker. The interferences in which you are personally interested, are

*1. Edison, Lane, Gray, Rose, Willwood. Case 11.
magneto generators.*

Edison close testimony Feb 19, 1882.

*2. Edison, Lane, Gray, Edison & Johnson. Case B.
magneto generators.*

Edison close testimony Feb 19, 1882.

I have to say forwarded to May Eaton a statement of the interferences in which the E. & S. Co. are interested.

*Yours truly,
Geo. W. Edger*

[ENCLOSURE]

THOMAS A. EDISON,

NO. 65 FIFTH AVENUE
NEW YORK, 25th Sept. 1881

Colonel Geo. W. Dyer
Washington D. C.

Dear Sir,

As no instructions
have been given to anyone
as to Interferences and
Inventions controlled by
me I beg to state that I
shall be glad if you will
take them in hand - reporting
to me from time to time
the general state of affairs
Yours truly

Thomas A. Edison

Feb. 1. 1882

UNITED TELEPHONE COMPANY v. MACLEAN.

OPINION BY LORD M'LAREN.

In this case interdict is sought at the instance of the United Telephone Company against the infringement of two patents for telephonic instruments; the first being the original telephone invented by Mr Graham Bell, and patented in this country in the name of Mr Morgan Brown; the second being the transmitting instrument invented by Mr Edison, and patented in his own name.

The title of the complainers to these patents is set forth in their statement of facts, and is not denied. The question is, Whether the instruments which, according to the evidence, were supplied by the respondent to a professional firm in Edinburgh, constitute an infringement of the complainers' patents or either of them? Specimens of the instruments sold by the respondents were produced at the trial, and their action explained. It is alleged that the respondent used Edison's transmitting instrument, and Bell's receiving instrument. With respect to Bell's invention the defence is, that the patent was anticipated by the premature publication of the invention before the letters patent were taken out. With respect to Edison's patent, there are two defences: (1) an objection to the patent itself, founded on an alleged discrepancy between the provisional and the complete specifications; (2) a denial that the respondent's transmitting instrument involves the use of Edison's invention. I shall deal with the cases in the order of discovery, beginning with the invention of Mr Bell.

The specification of William Morgan Brown, in which this invention is described, is divided into various 'plans,' which contain respectively the descriptions of different instruments, or different variations of the same instrument, adapted for the transmission and reproduction of vocal sounds through the agency of the electric force. But the only instruments or modes of application of Bell's invention referred to at the trial, were the instrument described in plan fourth, and the two instruments or modes of application which are described in plan fifth. These three variations of Mr Bell's invention, as I shall call it (because it is not disputed that he is the first and true inventor of the telephone), are described with great clearness and fullness of detail in the evidence of Sir Frederick Bramwell, C.E. Under reference to this description, which I accept in all its particulars, I shall state as briefly as may be the essential parts of Mr Bell's invention, and shall consider whether the invention is disclosed by the alleged anticipatory publication with such distinctness as would be necessary to enable a person of skill to make the instrument, and to put it into effective operation.

The essential parts of Bell's invention appear to be (1) a tympanum or circular plate of steel, or other metal susceptible of inductive action, for receiving the air pulses or undulations of speech; (2) the transmission in a closed circuit of electric undulations of the same order, induced by the vibration of this metal plate or tympanum; (3) the production of a repetition of the spoken sounds at the distant station or termination of the line wire by means of another metal tympanum, which, through 'induction' or electric agency, is made to vibrate in the same manner as the first-mentioned tympanum, and thus to reproduce the vocal sounds in facsimile. All the witnesses are agreed that, under Bell's process, the transmission of the electric undulations along the wire is continuous. These undulations represent variations of the electric current corresponding to the variations of the elastic medium thrown into vibration by the voice, and like these they are continuous, because the electric force is transmitted from one station to the other in a closed circuit continuously, and without break or interruption; this is, in truth, the principle of Mr Bell's invention,—the transmission of undulatory electricity in a closed circuit. Prior to this invention, attempts had been made with partial success to reproduce musical sounds by different methods. By delicate mechanism, which it is unnecessary here to describe, the vibration of a tuning-fork or a musical string was made to alternately connect and disconnect two points in an electric circuit, and thus to send on a series of uniform and separate pulsations, by which a string tuned to the same pitch could be made to vibrate at the distant station. The most perfect modification of this process is that known as Reiss's invention, by which the sound was received on a drum of gold-beater's skin or membrane, carrying an armature or steel needle capable of inducing electric action in the line wire. By this means musical notes and vowel sounds were reproduced. It is clear, however, that by Reiss's method spoken discourse could not be conveyed from one station to another; and for this reason, that his instrument acted by transmitting a series of discontinuous electric impulses resulting from the alternate making and breaking of the circuit, and was therefore not adapted to the transmission of a continuous and variable series of undulations, such as are produced in articulate speech.

Mr Bell discovered that electric undulations resembling those produced by speech could be transmitted through a closed circuit, and his specification (Morgan Brown's) describes different instruments and modes of operation for producing this result in a manner which is admitted to be clear and intelligible. It is also established that telephones constructed according to Bell's method were extensively used and were of great utility.

I now come to the alleged anticipation of the invention through the publicity given to Bell's discovery by Sir William Thomson, in his address to the British Association delivered in August or September 1876.

Sir William Thomson, in his evidence in this case, stated that he was present at the performance of Bell's experiments on the occasion of a visit to the International Exhibition at Philadelphia, and that he heard the instrument repeat the phrases of Hamlet's Soliloquy, which he quotes in his address. Mr Bell, treating Sir William Thomson with the confidence accorded to a scientific visitor of distinction, had shewn him his apparatus, explained to him the principle of his invention, and presented him with models or copies of his transmitting and receiving instruments. Sir William Thomson, in the passage of his address to the British Association, which has been reprinted from the newspaper called *Engineering* of 15th September 1876, gave an account of Bell's discovery, and he also exhibited models of Bell's transmitting and receiving instruments. The object of the learned lecturer, however, apparently was to describe results rather than processes; and although inferentially he may have given some indication of the methods employed, I am satisfied that his address does not contain such a description of Bell's process as would, even with the aid of the models, enable a skilled operator to produce a working telephone on the principle of the specification. Such is the opinion I have formed, construing the passage in Sir W. Thomson's address, as I should construe a specification, after informing myself as to the state of scientific knowledge on this subject at the time, and with all the aid which I have been able to derive from the evidence as to the meaning of the terms of art used in the address and their application to the models.

It is plain that the invention had not been perfected—was, indeed, only in the experimental stage at the time when Mr Bell explained his method to Sir William Thomson, and Sir William in his address did not profess to communicate anything more than he had received from Bell. Mr Cooke, a witness for the respondent thinks that he could have made the instrument from Sir William Thomson's description. But then Mr Cooke is an electrician of more than ordinary skill; and against his view I have to set the statement of another electrician of not inferior skill, who, with superior advantages to those of Mr Cooke, tried to produce articulate sounds with Bell's instrument and failed. Besides, I must say that Mr Bell's experimental instrument, as published by Sir William Thomson (if the address is held to amount to publication), differed most materially from the instrument as patented. First, the transmitting tympanum of the experimental instrument consisted of a stretched membrane or drum, carrying a steel armature. All the witnesses are agreed that such a tympanum is open to serious objection, and that it will not give results satisfactory or comparable to those given by a metal transmitter, as described in the specification of the patented invention.

Secondly, the address does not state that the transmission of the electric force is to be made through a closed circuit, although this, as I have endeavoured to explain, is really the principle on which the successful working

of the invention depends. It is true, Sir William Thomson did not profess to describe any mechanical appliances for making and breaking the circuit; but it does not follow that his audience would draw the inference that the circuit was to be closed. He was not professing to give a full description of the mechanical appliances used by Bell. Nobody but Sir William Thomson and Bell himself knew that the transmission of the electric current was to be in a closed circuit, and yet the skilled operator, who is supposed to be able to work from Sir William Thomson's description, is left to find this out for himself. How was he to find it out, unless by the exercise of inventive talent; by, in short, re-discovering the principle of Bell's invention?

Thirdly, the plate, or the tympanum, of the model-receiving instrument exhibited by Sir William Thomson, instead of being attached to the transmitting case by its circumference, so as to imitate the form of a drum, was attached by a screw at one point only, as shown in figure 11 of the respondent's print of prior publications. While thus attached, it stood inclined at an angle to the mouth of the case, like the lid of a box slightly raised. In this position the plate would vibrate in the manner of the tongue of a tuning fork, and not in the manner of a tympanum. According to all the evidence, such a receiving instrument would not repeat articulate speech.

This brings me to the decisive part of Sir William Thomson's evidence. This gentleman, himself the most eminent electrician in the United Kingdom, possessed of the instruments furnished by Mr Bell, and instructed by Bell as to their principle and mode of application, was unable to make them work so as to reproduce articulate speech. He was most anxious to exhibit them in effective operation at the meeting of the British Association, and after trying them with batteries of different degrees of strength, and with every variation that his experience suggested, his experiments entirely failed, and he was obliged to admit his inability to exhibit the telephone in operation. The respondent suggests, that if the tympanum or lid had been less rigidly attached by its screw, it would have closed down under the attraction of the electro-magnetic force, and would then have acted as a closed tympanum capable of transmitting articulate speech. To this there are several answers. First, this is a suggestion easily made, after the principle of the closed tympanum had been made public through Bell's specification. Secondly, Sir William Thomson's lecture, with the relative model, disclosed a receiving instrument with an open and not a closed tympanum. Confessedly such an instrument would not reproduce articulate speech, and if the specification had given no more information on this head than is given by the model, I should have held the patent void, as not sufficiently disclosing the manner of performance of the invention. Thirdly, as to the suggestion that a skilled operator would have found out the mode of operation when he came to use the instrument, I may observe that, according to patent law, an invention is not sufficiently described if experiment be requisite to enable a skilled

perator to discover the mode of working it; and, after being told by Sir William Thomson that his scientific knowledge, aided by personal communication with the inventor, did not lead him to infer that the tympanum should be kept down in order to the production of the desired result, I cannot for a moment suppose that this inference is one that should be drawn by an ordinary workman working by the description contained in Sir William Thomson's address.

I shall say nothing as to the other publications contained in the respondent's print. The last in the order of dates was published after the date of the patent. The other publications are less specific than Sir William Thomson's address, and were founded on by the respondent's counsel rather as evidence of the state of scientific knowledge at the time, and in aid of Sir William Thomson's address, than as independent disclosures of the invention.

II. I pass to Edison's patent: and first, as to the objection founded on the discrepancy between the provisional and the complete specifications. The complete specification describes various telephonic instruments, and, amongst others, an instrument known as the phonograph, which records the undulations of a vibrating diaphragm or tympanum, by indenting a series of dots on a cylinder, covered with tinfoil, and made to revolve rapidly by clock-work. In the reverse or complementary action of the instrument, the sounds may be reproduced with more or less distinctness, by giving to another diaphragm the motion resulting from a steel point vibrating in contact with the series of indentations. The description will be found in the paragraph commencing at page 11, line 5, of Mr Edison's specification. The invention includes two processes—first, the recording of the sounds on a sheet of tinfoil; secondly, the reproduction of the sound by means of mechanism set in motion by the indentations on the tinfoil. It is said that the provisional specification discloses only the first of these two processes; and that the patent is void, because in the complete specification the reproduction as well as the recording of the sound is claimed. This is an extremely critical objection, and I do not think that it is well founded. The provisional specification states (pages 1 and 2), 'Portions of the apparatus are interchangeably available in transmitting or recording;' and two lines further down the word 'recording' is explained to mean making a record of the atmospheric sound waves, or of the electric waves or pulsations corresponding thereto or resulting therefrom. Now, keeping in view that in the telephonic art the words 'transmitting' and 'transmitter' are technical terms applicable to the part of the instrument by which the speaker's voice is made to set the electric wire in motion, I think that the expression 'interchangeably available in transmitting or recording' is for the purpose of a provisional specification a sufficient indication of the functions of the phonograph. In the application of the instrument to the

purpose of recording, the sound waves are laid down on the cylinder by the steel point attached to the tympanum, and vibrating with it. But by the same apparatus the action of transmitting may be produced,—the indentations on the cylinder in this case acting on the steel point and causing the tympanum to vibrate, and thus to transmit electric undulations to a line wire. The words 'interchangeably available' may be open to criticism, but they indicate an instrument in which the same mechanism may be used either for recording a message, or for transmitting one which has been recorded.

III. There remains for consideration the question of the identity of the respondent's transmitting instrument with the transmitting instrument described in Edison's specification—a question of some difficulty, though I have ultimately formed a clear opinion regarding it. In the Bell telephone the electric undulations set up in the line wire were comparatively weak, and the echo or reproduction of the voice at the distant or receiving station was correspondingly faint, so faint that the telephone could only be used within moderate distances. Mr Edison's efforts were directed to the discovery of a method by which the waves of sound should operate more powerfully on the electric current, and this he effected by a process which is described by electricians as the method of 'varying the resistance' to the electric current in the course of its transmission through a closed circuit. This was accomplished by making a joint in the circuit near to the transmitter, so that the current should at this point pass from one surface to another surface in contact with it under pressure. According to Mr Edison, one of the two surfaces in contact ought to be a semi-conductor; and plumbago and some other forms of carbon are indicated as the most suitable materials for the purpose. According to his description, the variations of pressure between the surfaces, consequent on the vibrations coming from the tympanum, induce variations in the electric current proportionate to, but greatly exceeding in magnitude, the variations which would be induced by the direct action of the air waves according to Bell's method. According to Edison's theory, his process is in the strictest sense a mode of working in a closed circuit, because the carbon surface, although mechanically disunited from the platinum or other surface on which it presses, is nevertheless in electrical contact with that surface. There is therefore no making and breaking of the electric circuit as in the earlier tentative methods, but a continuous current of undulatory electricity, the number and form of the waves being determined by the changes of pressure upon the carbon surface.

In the first form of apparatus figured in the specification, the semi-conducting interposed substance (technically termed the tension regulator) is silk fibre mixed with plumbago. This is pressed by a screw against a platinum plate, which again is in contact with the tympanum, and the elasticity of the tympanum and of the silk fibre admits of that degree of play between the two

surfaces which is requisite for the transmission of the variations of pressure produced by the vibrations of the tympanum, when acted on by the voice.

In a passage near the top of page 6 the inventor describes an alternative mode (on which the complainers place reliance), wherein he professes to make use of a variable resistance (*i.e.*, to the electric current), resulting from greater or less intimacy of surface contact, such as would result from a disc covered with plumbago placed adjacent to a diaphragm also covered with plumbago or other semi-conducting material. It is not stated in direct terms how this form of tension regulator is to be connected with the transmitting instrument; but, in fair construction, I think it must be held that it is to be introduced in the place of the silk fibre, and to be kept in contact with the diaphragm by pressure, just as the fibre regulator would be.

Other modes of maintaining the contact are described in subsequent parts of the specification, in one of which the pressure of a spring is employed.

It does not appear that any of the mechanical combinations described in the specification ever came into commercial use, probably because, as may happen in the history of even the most original and valuable inventions, these were immediately superseded by simpler constructions involving the same principle. It was soon found that no special precautions were needed to prevent the separation of the surfaces constituting the tension regulator. I am informed that Mr Edison now uses a carbon button placed between two plates of platinum, without the agency of a spring or mechanical pressure to hold them together. In the respondent's instrument, against which the interdict is directed, the variations of resistance to the electric current are produced by the contact of two surfaces of gas carbon, one of them being loaded with a piece of brass, and suspended obliquely, so as to press slightly against the other. To these pieces wires are attached, and the current passes through them. This is said to be a different instrument from Edison's, both in principle and construction. It is said that Edison aimed at varying the resistance in the line by the compression of a fibrous material throughout the mass, and not by the vibration of pressure at the surface of contact. Again, it is denied that the operation of the respondent's instrument depends on pressure. It is said that in his instrument the two carbons react on each other, in the manner of rigid, non-elastic, incompressible substances, and that, instead of the electric current being merely varied, under the influence of vibration, as the surfaces of carbon tend alternately to approach and recede from each other, the electric current is actually broken at each vibration. According to the respondent's theory, his instrument is not an example of the action of undulatory electricity in a closed circuit, but is an extremely delicate 'make and break' of the current, so delicate and instantaneous (if I rightly understand), that the undulations are virtually, and in their acoustic effects, equivalent to continuous vibrations.

It would probably not be satisfactory to the parties if I should abstain altogether from offering an opinion on this interesting scientific question. But I think it right to say at once that, in the view I take, its solution cannot affect the decision of the case. Because, in my opinion, it is apparent, at least in the present state of scientific knowledge, that the principle and mode of action of Edison's tension regulator and that of the respondent is one and the same. If the respondent's surfaces vary the resistance by a 'make and break,' so must Mr Edison's. Nothing is more clear upon the evidence than that the wonderful and hitherto unexplained responsive action of the electric force to vibrations propagated through surfaces in loose contact, depends neither on the form of the surface nor on the mode or amount of pressure, although some forms of contact and of pressure certainly give better results than others. Mr Edison's methods have this in common with the respondent's—that they produce similar phenomena under every mode of bringing semi-conducting surfaces into contact in an electric circuit, and until some distinction is shown to exist, similar phenomena must, in my opinion, be referred to one and the same general law. Even if Mr Edison were held to be in error in supposing that his method was that of a closed circuit, yet if it is a useful invention, and if it is sufficiently described for practical purposes, it is no objection to his patent that he has used language which would be scientifically inaccurate, according to the present state of knowledge.

While, for these reasons, I hold that, in any view of their mode of action, the principle of the respondent's instrument is identical with Edison's, I must also hold that the weight of the evidence is in favour of the accuracy of Edison's description of the principle of his invention as being that of a closed circuit.

Sir F. Bramwell and Sir William Thomson are strongly of opinion that articulate speech cannot be, and is not under any of the instruments referred to, produced by a make-and-break arrangement. According to these gentlemen, the elastic waves of sound passing through two surfaces in contact produce phenomena analogous to those produced by the collision of elastic bodies. The surfaces in contact are slightly altered in form by the sound vibrations—passing through alternate phases of greater and less convexity, or of expansion and compression. These changes are understood to be molecular, and do not involve any visible change of figure, such as may take place under mechanical or forced vibration. During the phases of compression, there are a greater number of molecules of the respective surfaces in contact than in the phases of expansion, and the transmission of the electric force at each vibration is supposed to be proportional to the number and extent of the molecules or minute surfaces in contact. To the objection, that carbon (the most sensitive material for this purpose) is not a highly elastic body, the reply is, that carbon is sufficiently elastic for the purpose of

transmitting the sound-vibrations, and that its suitability to this purpose depends on it being a semi-conductor of electricity. A good conductor would transmit the force too easily when the pressure was withdrawn. But it is the property of a semi-conductor that its power of transmitting the electric force varies considerably under varying conditions of pressure, and Edison's invention consists in taking advantage of that property by appropriate appliances. Professor Fleeming Jenkin, a most accomplished electrician and of very great experience, does not differ from Sir F. Bramwell and Sir William Thomson in his view of the mode of action of the carbon regulator. All these gentlemen are agreed, that when the surfaces are separated even in an infinitesimal degree, there results an irregular instead of an undulatory variation in the electric current, producing a buzzing sound, and interfering with the acoustic action of the instrument. This result may follow even from speaking in too loud a tone, and it has been found necessary to moderate the vibrations of the tympanum of the telephone by introducing cork between its surface and the carbon regulator, in order that its action may not be so strong as to cause the carbon surfaces to separate under vibration.

Another point urged for the respondent is, that under his instrument a tympanum is unnecessary, because the carbon regulator, or microphone, as he prefers to term it, is sufficiently sensitive to be acted on by the direct pulsations of the air. Now, as Edison's patent is for a tension-regulator in combination with a diaphragm or tympanum, it follows that the interdict sought would not apply to the use of the respondent's carbon-regulator without a tympanum. But, in the instruments sold by the respondent, the sound is transmitted across a circular metal disc, interposed between the mouth-piece and the carbon-regulator, and although this metal disc is mounted on a sheet of cork, I have not the smallest doubt that it acts as a tympanum, and that it is a useful and necessary adjunct of the acoustic apparatus. The cork does not prevent the metal plate from being thrown into vibration by the voice; and it transmits the sound waves, possibly with some diminution of intensity and suppression of superfluous vibrations, to the carbon-regulator, whose function it is to react upon the electric circuit. It was contended by the respondent's counsel (if I rightly understood) that the cork plate would have the effect of entirely stopping the waves of sound; but this proposition appears to me to be untenable, in view of the well-known fact, that sound waves are transmitted through the earth over distances measured by hundreds of yards, or even miles, traversing in their course substances of the most various density and elasticity.

Being satisfied that the respondent's instrument is an application of the principle of Edison's tension-regulator, and that it involves the combination of a tension-regulator with a tympanum, I have only to consider whether the

instrument itself is distinct from anything described by Edison, or is an imitation or mechanical variation of his invention.

In answering the question, it must be observed that Edison's patent is not for a specific instrument, but for a combination, in which the material element is an 'electric tension-regulator,' of which many forms are given, all depending on a mode of action of great simplicity, and capable of being indefinitely varied. The mode of action I take to be this: The variation of the electric current by pressure applied to a carbon surface—not the constant pressure of a screw or spring, which is a mere accident of the arrangement—but the elastic pressure of the sound-waves, which are made to operate upon the carbon through a tympanum. In such a case, it may well be said that the instrument admits of as many variations as there are modes of bringing two surfaces into contact. But however unlike any particular variation may be to those which are described in the specification, yet if the contact is that of a semi-conductor of electricity, and is used in a telephone for the purpose of varying the resistance to the electric current in the line, I am of opinion that it is a form of Mr Edison's invention, and that the words of the specification are broad enough to cover it.

In the particular case, the respondent's form appears to possess such merit, that it might have been patented as an improvement upon Mr Edison's tension-regulator; but that, of course, would imply that it could not be used without Mr Edison's licence. It follows from this opinion, that the complainers are entitled to protection by interdict under Edison's as well as Bell's (or Morgan-Brown's) patent.

Mr. J. P. ...

Worcester, Mass.

Dear Sir, Your report on
resonance has been received.

- (1) The ring resonator was a single
English No. 30. The English scale
has a pitch of 1/2 inch. The
(2) Seeley has determined the English
form - one on notes was to obtain
location lamp which was
other on both high and low
indication and the instrument
having two vibrators working
opposite directions. The
steel tank was complete.
- (3) The automatic brush & slip
arrangement has not yet been
put into the English case. It
is in the last case prepared by
Seeley but he has not made up
the U.S. specification, will
have for a week or more.
- (4) I have examined the Danish
No. 2211 with reference to your
horizontal arrangement of automatic
regulation & dynamics. This is
the patent in Dupla's name refer to
it in the notes in the notes...

on the basis of principle of carrying
strength & time. He speaks generally
of a thorough arrangement, but not
in my opinion, with sufficient
definiteness to prevent you from
obtaining claims, which, while
somewhat specific in statement,
would be essential of a travel.

I have put the sketch into Matt's hands
for examining.

(5) Matt is getting out all the sketches
tracing drawings &c. for me.

I have had in mind for several days
the suggestion that all drawings
should be burned over to you (and
kept by you) whether or not you refer
by major works or myself. In this
connection, I have several small
matters to tell you in my journal,
which will be finished next week.

(6) The railway cases will go out
immediately. I will be at the
afternoon at the A.S.C. Library and
Cooper Union looking up a list
English publications of Siemens
in regard to railways. I can find
no lecture or paper by Siemens.

The most important publications

57

I have found use in Nature June 26th 1879
in the Electrician of Sep 13 1879.
The latter is a simple one of
your books. It is quite full and
knocks the great claims of
Siamon. It does not describe
any of the features common
by Siamon's eye. The use of the
ordinary wire is also for conductors
and the insulation of the locomotive
wheels on one side from the
other, the motor being connected
with both sets of wheels. If you
can find any paper from Siamon's
Lancet I have no doubt it
will have these points also.

The Electrician I could not find
either at the Astor or Geo. B. O.
If you have a call the Park, it
might be well to have it
sent to me through 214 for some
at his time.

Yours truly
Edison

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and DELIVERS messages only on condition of limiting its liability, which shall be limited to the amount paid by the sender of the following messages, and the Company shall not be liable for errors or omissions in the transmission of messages for compensation. This message is not to be used for any purpose other than that for which it is sent, and the sender, under the conditions stated, shall be deemed to have authorized the Company to act in its behalf.

Dated Washington DC 7 1887

Received at 791 BROADWAY.

To Mr. Adams
65 - 5 Ave NY

READ THE NOTICE AT THE TOP.

*Gileland interference
shipulations signed in
Park now out for other
signatures will be extended.
George W Dyer*

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

Enclosures

THE EDISON ELECTRIC LIGHT SYSTEM.

ED. H. JOHNSON
MANAGER.

57, Holborn Viaduct,

London, E.C. Feb 26^R 1882

to
Thomas A Edison Esq.
New York.

My dear Edison, I send you some papers handed to me by Dr. John Hopkinson. It seems that he has an invention in connection with Railway motors for reversing the connections, brushes &c and in which he is a year ahead of Field and Hussey but that he has been rejected by the Patent Office on their account. He says that he is able to establish an earlier date than either Field or Hussey and thinks that in the hands of someone acquainted with the methods of procedure his rights ought to be maintained. He has laid the matter before me and in fact places the whole thing in my hands to do with as I may think fit. It has occurred to me that possibly this may be of importance to you. I have asked him for these papers to forward to you to the end that you might investigate how the matter stands and have assured him that if you find that it is of value to you, you will take the matter up and fight it through for him and make some satisfactory arrangement with him

2 for its use. I Enclose you all the papers with the exception of the Field and Huxley Patents which of course you can obtain. I also enclose Dr. Hopkinson's Letter which explains itself.

Will you look into this matter and give me the benefit of your views as to the value of the thing as well as the chances of ousting Field and Huxley

Very truly yours,

Edw. H. Johnson

P.S. Dyers Digest at hand this one is very valuable. Bidwell has taken it with your papers & will let us have his further views on it. Meanwhile we have been negotiating with Remens & got him to waive a Royalty which would be acceptable. He named $7\frac{1}{2}\%$ - we then intimated that 5% would be reasonable & fair. He then compromised on 6% - we shall await Bidwells report on your & Dyers papers & then either accept the 6% or if Bidwell recommends - give 5% as our ultimatum.

We all look upon this as a grand achievement as it is our only weak point. & as the Patent hasn't long to run - we shall probably never pay him very much. - E.H.J. -

[ENCLOSURE]

4, Westminster Chambers,

Victoria, Troop, S.W.

24th Feb 1882

Dear Mr Johnson,

I enclose a short
statement as to my
patents for Transmission
of Power. I also send five
English Specifications of them
and two of Rivers, then
you can send out to Mr
Edison; also, American
patents of Huxsey and Will

kindly return them when
you have looked over them
as I have no other copies
and cannot easily get
them.

As my American rights
may have a contentious use
what I should prefer would
be to sell them in their
present state.

Yours very truly

J. Hopkinson

I enclose the examination reply
which you can examine & if you
return to me with American patents.

24th Feb^y 1882

In 1879 West had two patents for Reversing
 of Power by Electricity - The first is num-
 bered 2481 and dated 21st June 1879
 it is for reversing the direction of rotation
 of a dynamo electric machine when
 used as a motor by changing the
 points of contact of the brushes and
 the commutator, two brushes are used
 for each pole and the change is effected
 by turning each pair about ^{separat} axis.
 The second patent is numbered 4653
 and dated 14th Nov. 1879; it is for
 alternative methods of reversing the
 direction of rotation viz (1) using the two
 opposite faces of a single brush as an equivalent
 of the double brush of the first patent

and (b) sliding the brushes round the axis of the armature with or without breaking the armature circuit by the movement. The method of the former plan is probably the best as the commutator drum runs from the point of support of the brush and the brush is therefore less likely to trip, it was used by Siemens at the Paris Exhibition both on their tram car and on the boat which was located in the corner near to the Brush machines.

Last autumn I made application for an American patent based upon these two patents. The claim has been rejected as being in conflict with an American patent granted to Stephen D Field

T 4

being numbered 292,253 dated 14th Sep^r
 1880 the application herein, here filed
 3^d July 1880. (4) as being anticipated
 by the American patent of Hussey
 No 166527 dated 10th Decy 1875 and by
 the English patent of Reeves No 2303
 of 1861. Fields patent is for a method
 of removal identical with that of my
 first patent. Hussey & Reeves both describe
 a method of removal by striking the contacts
 round about the axis of the moving
 armature but applied to a machine
 very different to those now used. To
 understand Reeves patent No 2303 it is
 necessary to refer to his patent 249 of 1861.
 It would seem that if my application
 were pushed it should be possible to

establish my first and best method of
 wound against Field and to claim it
 quite firmly. The same with the first
 method of my second ^{English} patent; but that
 it might be necessary to amend the
 claim to my last method by adding
 round the brushes; this might be done
 by ^{limiting} conditioning the machines in combination
 with which the arrangement should be
 used to those in which the divisions
 of the commutator are connected
 to the wire of an armature moving in
 a fixed magnetic field continuously
 maintained such as a Gramme, a
 Siemens or an Edison.

In 1887 I obtained a patent for Transmission
 of Power No 2989 dated 7th July. No application

for a corresponding American patent
has yet been made.

These Siemens Bros have an exclusive
license under the three English patents
the terms including a liberal
recurrence royalty.

As to any right in America arising
from the three English patents my wish
is to transfer them for a suitable price
to someone who can use them more
efficiently than I can -

J. Hopkinson



A.D. 1879. 31st JUNE. N^o 2481.

SPECIFICATION

OF

JOHN HOPKINSON.

TRANSMISSION OF POWER BY ELECTRICITY.

PRINTED BY ORDER OF THE COMMISSIONERS OF PATENTS FOR INVENTIONS.

LONDON.
PUBLISHED AND SOLD AT
THE COMMISSIONERS OF PATENTS' SALE DEPARTMENT,
39, CURSIOR STREET, CHANCERY LANE, E.C.

Price 6d.

1879.

A.D. 1879, 21st JUNE. N° 2481.

Transmission of Power by Electricity.

LETTERS PATENT to John Hopkinson, of 4, Westminster Chambers, London, for the Invention of "IMPROVEMENTS IN APPARATUS FOR THE TRANSMISSION OF POWER BY ELECTRICITY."

Sealed the 12th December 1879, and dated the 21st June 1879.

PROVISIONAL SPECIFICATION left by the said John Hopkinson at the Office of the Commissioners of Patents on the 21st June 1879.

JOHN HOPKINSON, of 4, Westminster Chambers, London. "IMPROVEMENTS IN APPARATUS FOR THE TRANSMISSION OF POWER BY ELECTRICITY."

- 5 My improvement relates to a mode of reversing the direction of rotation of the armature of a dynamo electric or magneto electric machine when such machine is used for converting an electric current into mechanical power. Instead of employing a single pair of copper brushes to admit the current to the commutator of the armature I employ two pairs of brushes, one pair for each direction of rotation. On
10 opposite sides of the axis of the armature are two pins insulated from the frame of the machine and from each other. These pins are connected by a link, or in any other suitable manner, so that they can be turned simultaneously in the same direction. Each pin carries two collecting brushes. By turning the two pins in
15 one direction one of the brushes carried by each pin is brought into contact with the commutator, the points of contact being opposite to each other and appropriate to one direction of rotation. By turning the two pins in the opposite direction the other brush carried by each pin is brought into contact with the commutator, the points of contact being appropriate to the opposite direction of rotation.
-

A.D. 1879.—N^o 2451.

SPECIALTIES.

Hopkinson's Improvements in the Transmission of Power by Electricity.

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said John Hopkinson in the Great Seal Patent Office on the 10th December 1879.

JOHN HOPKINSON, of 4, Westminster Chambers, London. "IMPROVEMENTS IN APPARATUS FOR THE TRANSMISSION OF POWER BY ELECTRICITY."

My said Invention, relating to improvements in apparatus for the transmission of power by electricity, has reference to means of reversing the direction of rotation of the armature of a dynamo electric or magneto electric machine when such machine is used for converting an electric current into mechanical power.

In carrying out my Invention in lieu of using only a single pair of copper brushes or equivalent devices as heretofore to admit the current to and collect it from the commutator or collector of the armature two pairs of brushes or equivalent devices, one pair for each direction of rotation may be employed. These brushes or equivalent devices being arranged in the following manner, *to-wit*:—On opposite sides of the axis of the armature are two pins which are insulated from the frame of the machine and from each other, and are coupled together by means of a link or any other suitable connection, so as to admit of their being turned simultaneously in the same direction. Each pin carries two collecting brushes or equivalent devices so placed that when one of the brushes (for example) carried by each pin is in contact with the commutator or collector the armature will be caused to revolve in one direction, and that when the other brush carried by each pin is in contact with the commutator or collector the armature will be caused to revolve in the opposite direction. By the act therefore of turning the pins in one direction or the other, so as to bring one or the other of the brushes of each pin into contact with the commutator or collector, the motion of the armature in the required direction will be obtained.

The accompanying Drawing illustrates the application of my said Invention to the commutator or collector of a Siemens, Gramme, or other machine; in Figure 1 the brushes touch the collector in points appropriate to one direction of rotation; in Figure 2, in points appropriate to the opposite direction of rotation.

A represents the commutator or collector when the machine is used as a motor, and at the axis of the armature, the straight arrow through the centre indicating the direction of the magnetic force of the fixed magnets, and the curved arrow denoting the direction of motion of the armature. On the opposite sides of the axis are two pins B, C, each of which carries two collecting brushes, the brushes carried by the pin B for admitting the current being marked D, D', and those carried by the pin C for receiving the current being marked E, E'. The pins are insulated from the frame of the machine and from each other as before mentioned, and are coupled together by a link or other suitable connection (not shown in my Drawing), so as to enable them to be turned simultaneously in the same direction. In Figure 1 the brushes D, E, are represented in contact with the commutator or collector, this position of the brushes being appropriate to the direction of rotation of the armature, indicated by the curved arrow in that Figure, whilst in Figure 2 the brushes D', E', the curved arrow in Figure 2, and which is the opposite of that indicated in Figure 1. By the act therefore of turning the pins B, C, simultaneously a reversal of the direction of motion of the armature is obtained.

In my Drawing the brushes are represented in contact with the commutator or collector at points somewhat behind a plane perpendicular to the direction of magnetic force of the fixed magnets, this being in general the most suitable position for the points of contact. The commutator or collector is also shown as composed

(A. SEELY)

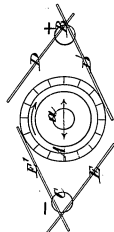


FIG. 2.

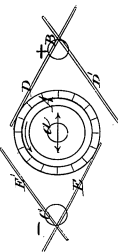


FIG. 1.

ADMITTED INTO THE PATENT OFFICE
BY HENKINSON'S SOLICITORS.

Specification.

A.D. 1879.—N° 2481.

3

Hopkinson's Improvements in the Transmission of Power by Electricity.

of sixteen divisions, but any other suitable number of divisions may be used. The mode of carrying the brushes is indicated in the Drawings in its simplest form, but it is obvious that the brushes may be pressed against the commutator or collector by suitable springs; double brushes may also be used in order to avoid sparks; or in lieu of employing brushes equivalent devices for making contact with the commutator or collector may be used, such, for example, as strips of copper or rollers, as will be well understood.

Having now described and particularly ascertained the nature of my said Invention, and a mode in which the same is or may be used or carried into effect, I would observe in conclusion that I make no claim to the use as motors of dynamo-electric or magneto electric machines, neither do I confine myself to the use of any particular construction of dynamo-electric or magneto electric machine, nor to the particular mode of arranging the parts hereinbefore described, and illustrated in the accompanying Drawings, as it is obvious that the same may be varied without departing from the principle of my said Invention, but what I consider to be novel and original, and therefore claim as the Invention secured to me by the hereinbefore in part recited Letters Patent is,—

Effecting the reversal of the direction of motion of the armature or revolving portion of dynamo-electric or magneto electric machines when used as motors, by changing the position of the points of contact of the brushes or equivalent devices and commutator or collector, substantially as hereinbefore described.

In witness whereof, I, the said John Hopkinson, have to this my Specification set my hand and seal, the Tenth day of December, One thousand eight hundred and seventy nine.

25

JOHN HOPKINSON. (L.S.)

LONDON: Printed by GEORGE EDWARD ERNE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty.
For Her Majesty's Stationery Office.

1879.



A.D. 1879, 14th November. N^o 4653.

SPECIFICATION

OF

JOHN HOPKINSON.

APPARATUS FOR THE TRANSMISSION OF
POWER BY ELECTRICITY.

PRINTED BY ORDER OF THE COMMISSIONERS OF PATENTS FOR INVENTIONS.

LONDON:
PUBLISHED AND SOLD AT
THE COMMISSIONERS OF PATENTS' SALE DEPARTMENT,
28, CURSITOR STREET, CHANCERY LANE, E.C.

Price 6s.

1880.

A.D. 1879, 14th NOVEMBER. N° 4653.

Apparatus for the Transmission of Power by Electricity.

LETTERS PATENT to John Hopkinson, of Westminster Chambers, in the City of Westminster, for the Invention of "IMPROVEMENTS IN THE TRANSMISSION OF POWER BY ELECTRICITY AND IN THE APPARATUS EMPLOYED THEREIN."
Sealed the 13th February 1880, and dated the 14th November 1879.

PROVISIONAL SPECIFICATION left by the said John Hopkinson at the Office of the Commissioners of Patents on the 14th November 1879.

JOHN HOPKINSON, of Westminster Chambers, in the City of Westminster. "IMPROVEMENTS IN THE TRANSMISSION OF POWER BY ELECTRICITY AND IN THE APPARATUS EMPLOYED THEREIN."

My Invention relates to a method of reversing the direction of rotation of the armature of dynamo-electric or magneto-electric machines when the said machines are used for converting an electric current into mechanical power, and it consists in effecting such reversal by changing the position of the points of contact of the brushes or their equivalents with the commutator or collector of the said machines.

According to one mode of carrying out my Invention I employ two pairs of copper brushes or equivalent devices mounted respectively on two pins insulated from the frame and from each other, and situate one on each side of the axis of the armature, the pins being connected together by a link or otherwise, so that they can be turned simultaneously in the same direction. By the act of turning the two pins in one direction one of the brushes or equivalent devices carried by each pin is brought into contact with the commutator, the points of contact being opposite to each other and appropriate to one direction of rotation, and by the act of turning the two pins in the opposite direction the other brush or equivalent device carried by each pin is brought into contact with the commutator, the points of contact being appropriate to the opposite direction of rotation.

According to another mode of carrying out my Invention I mount only a single brush or equivalent device upon each pin, and produce the same result as that hereinbefore indicated by turning the two pins through a greater angle so as to bring opposite faces of the brushes or equivalent devices into contact with the

[Price 6d.]

Hopkinson's Impt. in Apparatus for the Transmission of Power by Electricity.

commutator, according to the direction in which it is required that the armature shall revolve. Or the brushes or equivalent devices may be caused to change the points of contact with the commutator for the purpose of effecting a reversal of the direction of rotation of the armature by sliding the said brushes or equivalent devices round the commutator in lieu of rotating them about an axis. In this case the brushes or equivalent devices may be carried by a cross piece (from which the brushes or equivalent devices are movable about the same axis as the armature, and the electrical connections are by preference made by means of spring contact pieces arranged in relation to fixed metal pieces so as to be connected with either the positive or negative source of electricity only when the brushes or equivalent devices are in or near their correct position.

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said John Hopkinson in the Great Seal Patent Office on the 7th May 1880.

JOHN HOPKINSON, of Westminster Chambers, in the City of Westminster. 15
"IMPROVEMENTS IN THE TRANSMISSION OF POWER BY ELECTRICITY AND IN THE APPARATUS EMPLOYED THEREIN."

My said Invention relates to means of reversing the direction of rotation of the armature of dynamo-electric or magneto electric machines when the said machines are used for converting an electric current into mechanical power, and it has reference to improvements upon an Invention in respect of which former Letters Patent were granted to me, dated the Twenty First June, One thousand eight hundred and seventy nine, No. 2481.

According to my said former Invention I effected the reversal of the direction of motion of the armature of the machine by changing the position of the points of contact of the brushes or equivalent devices and commutator or collector. Now my present Invention consists chiefly of improved methods of changing the points of contact on the commutator or collector of the brushes or equivalent devices for the purpose of effecting such reversal of the direction of motion of the armature of the said machines.

In carrying out my present Invention I employ a single pair of copper brushes or equivalent devices to admit the current to and conduct it from the commutator or collector of the armature, these brushes or equivalent devices being arranged in the following manner, *vide* *drawings*—

On opposite sides of the axis of the armature are two pins which are insulated from the frame of the machine and from each other, and are coupled together by means of a link or any other reliable connection so as to admit of their being turned simultaneously in the same direction; each pin carries a single collecting brush or equivalent device, so arranged that when one face of each brush or equivalent device is in contact with the commutator or collector the armature will

AD 1878, No. 14, N^o 4653.
HOPKINSON'S PATENT.

(1 SHEET)

FIG. 1.



FIG. 2.



FIG. 3.

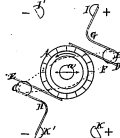


FIG. 4.

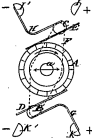


FIG. 5.

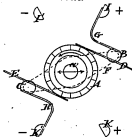
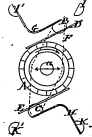


FIG. 6.



W. & A. G. & Co. Litho.

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be caused to revolve in one direction, and that when the opposite face of each brush is in contact with the commutator or collector the armature will be caused to revolve in the opposite direction. By the act, therefore, of turning the pins in one direction or the other through a sufficient angle so as to bring one face or the other of each brush or equivalent device into contact with the commutator or collector the motion of the armature in the required direction will be obtained.

Or in lieu of the preceding arrangement the brushes or equivalent devices may be caused to change the points of contact with the commutator for the purpose of effecting a reversal of the direction of rotation of the armature by sliding the said brushes or equivalent devices round the commutator or collector, instead of rotating them about an axis. In this case the brushes or equivalent devices may be carried by a cross piece (from which they are insulated) moveable about the same axis as the armature, and the electrical connections are by preference made by means of spring contact pieces arranged in relation to fixed metal pieces so as to be connected with either the positive or negative source of electricity only when the brushes or equivalent devices are in or near their correct position.

And in order that my said Invention may be fully understood, I shall now proceed more particularly to describe the same, and for that purpose shall refer to the several figures on the annexed Sheet of Drawings, the same letters of reference indicating corresponding parts in all the Figures.

Figures 1 and 2 of my Drawings are diagrams of a commutator or collector with my said Invention applied thereto, according to one modification of the same, the brushes being shown in different positions in the two Figures; Figures 3 and 4, and Figures 5 and 6 are similar views to Figures 1 and 2, illustrating respectively two other modifications of my said Invention.

Referring to Figures 1 and 2, A represents the commutator or collector of a Siemens, Gramme, or other equivalent machine, when used as a motor, and *a* the axis of the armature, the straight arrow through the centre indicating the direction of the magnetic force of the fixed magnets, and the curved arrow denoting the direction of motion of the armature. On opposite sides of the axis *a* are two pins B, C, each of which carries a collecting brush, the brush carried by the pin B for admitting the current being marked D, and the brush carried by the pin C for receiving the current being marked E. The pins are insulated from the frame of the machine and from each other, as before mentioned, and are coupled together by a link or other suitable connection (not shown in my Drawings) so as to enable them to be turned simultaneously in the same direction. In Figure 1 the brushes D, E, are represented with one of their faces in contact with the commutator or collector, this position of the brushes being appropriate to the direction of rotation of the armature indicated by the curved arrow in that Figure, whilst in Figure 2 the brushes are represented with their opposite faces in contact with the commutator or collector, this position of the brushes being appropriate to the direction of rotation of the armature indicated by the curved arrow in Figure 2, and which is the opposite of that indicated in Figure 1. By the act, therefore, of turning the pins B, C, simultaneously a reversal of the direction of motion of the armature is obtained.

According to other modifications of the Invention, which are illustrated in Figures 3 and 4, and Figures 5 and 6, the brushes D, E, are caused to change the points of contact with the commutator or collector A for the purpose of effecting the reversal of the direction of the rotation of the armature by sliding the said brushes round the commutator. In the example shown in Figures 3 and 4 the brushes are slid round in one direction, whilst in the example given in Figures 5 and 6 the brushes are slid round in the opposite direction, the same effect, *videlicet*, the reversal of the direction of rotation of the armature, being obtained. For this purpose the brushes D, E, are carried by, but insulated from a cross piece F (shown in dotted lines), which is moveable about the same axis *a* as that of the armature, so that by the act of operating the said cross piece the brushes may be moved from

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the positions shown in Figures 3 and 5 to the positions indicated in Figures 4 and 6, or *vice versa*, according to the direction of motion required.

It is preferred to break the circuit during the passage of the brushes from one position to the other by the employment of spring contact pieces G, H, connected respectively with the brushes D, E, in combination with fixed metal pieces I, K, 5 and P, K', connected with sources of electricity of an opposite denomination, with which metal pieces the brushes make contact only when the former are in or near the correct positions.

Having now described and particularly ascertained the nature of my said 10 Invention, and the manner in which the same is or may be used or carried into effect, I would observe in conclusion that what I consider to be novel and original, and therefore claim as the Invention secured to me by the hereinbefore in part recited Letters Patent is,—

First. The method of changing the points of contact on the commutator or collector of the brushes or equivalent devices, for the purpose of reversing the 15 direction of rotation of the armature or revolving portion of the machine, by carrying such brushes or equivalent devices upon pins moveable about separate axes in such a manner that opposite faces of the brushes or equivalent devices may be brought into contact with the commutator or collector, substantially as herein- 20 before described.

Second. The method of changing the points of contact of the brushes or equivalent devices, and commutator or collector, for the purpose of reversing the 25 direction of rotation of the armature or revolving portion of the machine by sliding such brushes or equivalent devices round the commutator or collector, substantially as hereinbefore described.

Third. In combination with the subject matter of the second claiming clause, the mode of breaking the electric circuit when the brushes or equivalent devices are 30 in any other but an appropriate position, substantially as hereinbefore described.

In witness whereof, I, the said John Hopkinson, have to this my Specification set my hand and seal, the Twenty eighth day of April, One thousand 30 eight hundred and eighty.

JOHN HOPKINSON. (i.s.)

LONDON: Printed by GEORGE EDWARD EYRE and WILLIAM SCOTTWOODS,
Printers to the Queen's most Excellent Majesty,
For Her Majesty's Stationery Office.



A.D. 1881. 7th July. N° 2089.

SPECIFICATION

OF

JOHN HOPKINSON.

APPLICABLE FOR TRANSMISSIONS OF POWER

PREPARED BY ORDER OF THE COMMISSIONERS OF PATENTS AND TRADE MARKS.

LONDON

PUBLISHED AND SOLD AT

THE COMMISSIONERS OF PATENTS SALE DEPARTMENT,

25, QUEEN'S STREET, CHANCERY LANE, E.C.

Price 2s.

1881

A.D. 1881, 7th JULY. N° 2989.

Apparatus for Transmission of Power by Electricity.

LETTERS PATENT to John Hopkinson, of 4, Westminster Chambers, in the City of Westminster, C.E., for an Invention of "IMPROVEMENTS IN APPARATUS FOR THE TRANSMISSION OF POWER BY ELECTRICITY."

PROVISIONAL SPECIFICATION left by the said John Hopkinson at the Office of the Commissioners of Patents on the 7th July 1881.

JOHN HOPKINSON, of 4, Westminster Chambers, in the City of Westminster, C.E. "IMPROVEMENTS IN APPARATUS FOR THE TRANSMISSION OF POWER BY ELECTRICITY."

My Invention relates to apparatus for the transmission of power by electricity, whereby the force of dynamo electric or magneto electric machines may be utilized under advantageous conditions for the purposes of hoisting and lowering heavy bodies, for the propulsion of vehicles, and for other purposes.

10 In carrying out my Invention as applied, for example, to the construction of a hoist, I employ a dynamo-electric or magneto-electric machine in combination with a pulley or barrel fitted with the device known as the Weston friction coupling or clutch, the machine and the pulley or barrel so fitted being carried in a suitable frame, and arranged by preference the one over the other, and connected by
15 toothed or other suitable gearing for transmitting motion from the machine to the said pulley or barrel, over which passes the tackle carrying the load to be raised or lowered. Any suitable capstan or windlass may be used in this arrangement.

The dynamo-electric or magneto electric machine is fitted with devices for reversing the direction of rotation of the armature of the machine, as described in
20 the Specifications to former Letters Patent granted to me, and dated and numbered respectively the 21st June 1879, No. 2481; and the 14th November 1879, No. 4053.

I also employ a spring or springs for the purpose of automatically moving the said devices for regulating the direction of the motion of the machine to a neutral
25 point, so that when the pulley or barrel is locked by the action of the friction

[Price 6d.]

Hopkinson's Impts. in Apparatus for the Transmission of Power by Electricity.

coupling or clutch, on the strain being removed from the rope or chain suspended therefrom the motion of the machine shall likewise be arrested.

The spring or springs may be applied in other cases where the devices described in my said former Specifications are employed for the purpose of throwing them out of contact, and automatically arresting the motion of the machine.

If desired, two or more dynamo-electric or magneto-electric machines may be employed in conjunction. When so used they are rendered particularly adapted for the propulsion of tram engines, tram cars, and other vehicles, so as to obtain required variations in the speed by the employment of a switch so arranged as to throw the said machines into parallel circuit or into series, according as it is desired to drive the electro-locomotive or vehicle at full speed or at a less speed.

In lieu of two or more complete machines a single machine having two or more independent circuits may be used.

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said John Hopkinson in the Great Seal Patent Office on the 7th January 1882.

JOHN HOPKINSON, of 4 Westminster Chambers, in the City of Westminster, Civil Engineer. "IMPROVEMENTS IN APPARATUS FOR THE TRANSMISSION OF POWER BY ELECTRICITY."

My said Invention relates to apparatus for the transmission of power by 20 electricity, whereby the force of dynamo electric or magneto electric machines may be utilized under advantageous conditions for the purpose of hoisting or raising and lowering heavy bodies, for the propulsion of vehicles, and for other purposes.

In carrying out my said Invention as applied, for example, to the construction 25 of a hoist, I employ a dynamo electric or magneto electric machine in combination with a pulley or barrel fitted with the device known as the Weston friction coupling or clutch, the machine and the pulley or barrel so fitted being carried in a suitable frame, and arranged by preference the one over the other, and connected by toothed or other suitable gearing for transmitting motion from the 30 load to be raised or lowered, on which passes the tackle carrying the load to be raised or lowered. Any suitable capstan or windlass may be used in this arrangement.

The dynamo electric or magneto electric machine is fitted with devices for 35 reversing the direction of rotation of the armature of the machine, as described in the Specification to former Letters Patent granted to me, dated and numbered respectively the Twenty first June, One thousand eight hundred and seventy nine, No. 2481; and the Fourteenth November, One thousand eight hundred and seventy nine, No. 4653.

Hopkinson's Impts. in Apparatus for the Transmission of Power by Electricity.

I also employ springs for the purpose of automatically moving to a neutral point 40 the said devices for regulating the direction of the motion of the machine, so that when the pulley or barrel is locked by the action of the friction coupling or clutch, on the strain being removed from the rope or chain suspended therefrom the motion of the machine shall likewise be arrested.

The springs may be applied in other cases where the devices described in my 45 said former Specifications are employed for the purpose of throwing them out of contact, and automatically arresting the motion of the machine.

If desired, two or more dynamo-electric or magneto-electric machines may be 50 employed in conjunction. When so used they are rendered particularly adapted for the propulsion of tram engines, tram cars, and other vehicles, so as to obtain required variations in the speed by the employment of a switch so arranged as to throw the said machines into parallel circuit or into series, according as it is desired to drive the electro-locomotive or vehicle at full speed or at a less speed.

In lieu of two or more complete machines a single machine having two or more 55 independent circuits may be used.

In order that my said Invention may be better understood I will describe in 60 detail one mode of carrying it into effect, but it is obvious that the essential features of the Invention may be carried out in other ways and applied to slightly different purposes.

Figure 1 represents in elevation an electric hoist for raising weights attached to 65 either end of the chain A, which hangs over the chain pulley B. C is a dynamo electric machine, which, in the example illustrated in the Drawings, is connected with the pulley B by gearing C', and for convenience is arranged above the 25 pulley B, the whole of the parts being carried by a suitable frame B'. D is a reversing arrangement, such as is described in the Specification to former Letters Patent granted to me, dated the Fourteenth November, One thousand eight hundred and seventy nine, No. 4653; or that described in the Specification to other Letters Patent granted to me, dated the Twenty first June, One thousand eight hundred 30 and seventy nine, No. 2481, may be substituted therefor, by which the arrangements so effected the reversal of the direction of motion of the armature or revolving portion of the machine by changing the position of the points of contact of the brushes d, or the equivalent devices, and the commutator or collector e. Within 35 the pulley B, or if more convenient on any other of the shafts, is the screw of the Weston clutch, which is shown in section in Figure 2. The action of this clutch in its various forms is well known. If a weight be hanging on one end of the chain A the pulley B will turn on the screw e, and will clamp itself to the rotating wheel f, which are held by detents B. If the dynamo electric machine rotates 40 in the direction of lowering the weight the clamping action is released.

Figure 3 is a view of the reversing gear as shown in the Drawings. Figure 4 shows 45 the same as seen from the outside. E is a double spring, each limb of which presses strongly against a fixed stud F. G is a wheel carrying the holders e of the brushes d, which are in contact with the commutator e; this wheel is moved in order to change the position of the points of contact of the brushes d with the 50 commutator e, and thus start the apparatus by the act of pulling the hand cord H, and when so moved in either direction the stud I presses against one of the springs E, at once encountering considerable resistance therefrom. When the cord H is released, and the wheel G consequently set free, the spring E will force the system carried by the wheel G into the neutral position indicated in the Drawings, 55 in which the contact pieces f, electrically connected with the brushes d, are situated centrally between the binding screws or terminals g, and the hoist will cease to move.

In order to economically vary the speed of a tram car, tram engine, or other 60 vehicle driven by electricity, two dynamo electric machines may be used, the car engine or vehicle, and when high speed is desired these are arranged in parallel circuit; when a low speed and greater tractive force is required they are arranged in series.

Hopkinson's Impt. in Apparatus for the Transmission of Power by Electricity.

Figures 5 and 6 shew a key or switch suitable for effecting these changes, although of course many other forms of switch may be used; Figure 7 is a diagram shewing the connections. *a, b, c, d*, represent the terminals of the two dynamo electric machines *C, C'*. *L, M*, are fixed pieces; *I* is connected to *a* and to one of the main leads; *M* is connected to *d* and to the other main lead. *N* and *P* are two 5 springs; *N* is connected to *c*; *P* to *b*. *Q* is a metal cross piece (indicated by dotted lines in Figure 6) actuated by a lever *R*. When the lever is in the position shown by the full lines in Figure 6 the machines are coupled parallel; when in the position indicated by the dotted lines in Figure 6 the machines are in series. The switch can easily be modified so as to alter the connections of more than two 10 machines, or may be used for a single machine with two or more independent circuits.

Having now described and particularly ascertained the nature of my said Invention, and the manner in which the same is or may be used or carried into effect, I would observe in conclusion that what I consider to be novel and original, and therefore claim as the Invention secured to me by the hereinbefore in part recited Letters Patent is—

First. The use of the spring *E* in combination with the reversing arrangement forming the subject of Letters Patent, No. 2481st, or No. 4663rd, for the purpose 20 of throwing the brushes or equivalent devices into a neutral position, substantially as hereinbefore described.

Second. In a machine driven by electric power the use in combination of the reversing arrangement forming the subject of Letters Patent, No. 2481st or No. 4663rd, and of the self holding Weston clutch, substantially as hereinbefore 25 described.

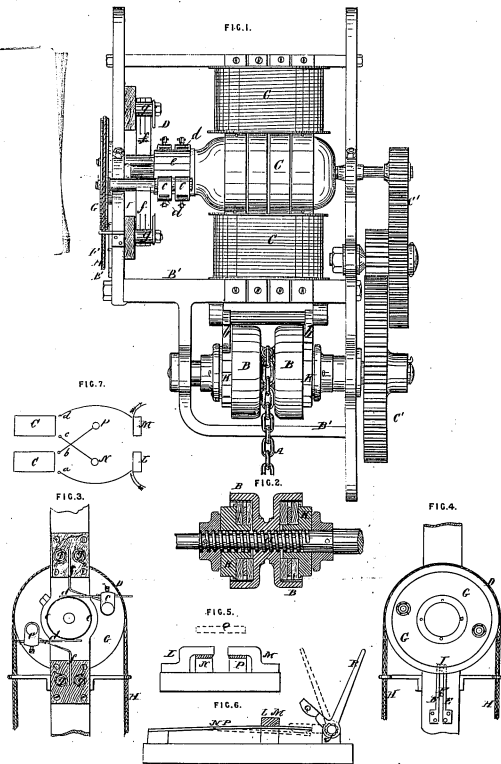
Third. The method of varying the speed of a tram car, tram engine, or other vehicle propelled by electricity by using two or more dynamo electric or magneto electric machines or dynamo electric or magneto electric machines with two or more independent circuits, and throwing them into parallel circuits or series according as a high or low speed is desired, substantially as hereinbefore described. 30

In witness whereof, I, the said John Hopkinson, have to this my Specification set my hand and seal, this Sixth day of January, One thousand eight hundred and eighty two.

JOHN HOPKINSON, (s.s.)

LONDON: Printed by GEORGE EDWARD DEER and WILLIAM SCOTTWORTH, Printers to the Queen's most Excellent Majesty, for Her Majesty's Stationery Office.

[ENCLOSURE]





P.O. Box. 200.

New York, March 2nd 1882.

Prof. T. A. Edison.

Dear Sir:

I am in receipt of a letter from Messrs Rhode & Knopf of Dresden, stating that claim 1. of your German case No. 7. has been objected to on the following grounds: -

"Because the formation of iron cores or armatures constructed of coils of wire or of adjacent iron parts with or without isolating intermediate layers - is a well known construction, frequently used for similar purposes in the electro-technic, which can not be put under patent protection.

The manner in which the same is carried out here does not offer any peculiarities, which could form the base of a claim."

Please let me know immediately, if you wish to appeal this claim, as the appeal must be entered by 15th inst.

Yours truly,
Samuel W. Serrell
Knickerbocker

J. A. Edison Esq

of T. J. Harcourt's charges & expenses.

1882		B	d
Mar 3	To Application for Provisional protection of Invention "Electric Regulators" 11025 ¹³	10	10 00 ✓
"	" Notice to proceed ditto	4	3 00 ✓
9	" Application for Provisional protection of Invention "Dynamo Machines" 11153 ¹³	10	10 00 ✓
"	" Notice to proceed ditto	4	3 00 ✓
"	" Application for Provisional protection of Invention "Regulating Dynamo Machines" 11155 ¹³	10	10 00 ✓
"	" Notice to proceed ditto	4	3 00 ✓
" 11	" Appl ⁿ for Provisional protection of Invention "Dynamo Machines" 11191 ¹³	10	10 00 ✓
"	" Notice to proceed ditto	4	3 00 ✓
" 28	" Appl ⁿ for Provisional protection of Invention "Dynamo Machines" 11193 ¹³	10	10 00 ✓
Apr 10	" Appl ⁿ for Provisional protection of Invention "Electrical Railways" 11194 ¹³	10	10 00 ✓
"	" Three Books of Specifications of Mr. Edison's Patents Nos. 1 to 25	15	10 00 ✓
May	" Appl ⁿ for Patent & Great Seal Patent 11203 ¹³	12	18 00 ✓
"	" " " " 1139 ¹³	12	18 00 ✓
"	" " " " 1143 ¹³	12	18 00 ✓
"	" " " " 1191 ¹³	12	18 00 ✓
"	" Notice to proceed with Patent 1194 ¹³	4	3 00 ✓
"	" " " " 1862 ¹³	4	3 00 ✓
"	" Appl ⁿ for Patent Protection of Invention "Electric Generators" 12053 ¹³	10	10 00 ✓
"	" Notice to Proceed " " "	4	3 00 ✓
"	" Appl ⁿ for Patent Protection of Invention "Electric Lights" 12043 ¹³	10	10 00 ✓
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to recd. from New York

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Oct 2⁰⁰

Appn for first part of W 14446²² Charles S. Higgins

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Appn for second & third W 2043²²

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	2 copies of blue books of Mr. Ed. Jones spec ^m 1074, 2074, 2580, 4001	16 dv
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	(NB. this spec ^m is very voluminous)	25 0 0 v
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Feb 8	To proportionate cost of search	\$23458 ⁰⁰	3	3	0	✓
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"	proportionate cost of search ditto		3	3	0	✓
12	App'n for Warrand & seal	\$24446 ⁰⁰	12	18	0	✓
14	" charges & gov't exp't re final spec ^{ns}	\$2449 ⁰⁰	20	0	0	✓
"	proportionate cost of search ditto		3	3	0	✓
"	" charges & gov't exp't re final spec ^{ns}	\$23955 ⁰⁰	20	0	0	✓
"	proportionate cost of search ditto		3	3	0	✓
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"	" charges & gov't exp't re final spec ^{ns}	\$23991 ⁰⁰	20	0	0	✓
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"	" charges & gov't exp't re final spec ^{ns}	\$23995 ⁰⁰	20	0	0	✓
"	proportionate cost of search ditto		3	3	0	✓
"	" charges & gov't exp't re final spec ^{ns}	\$23996 ⁰⁰	20	0	0	✓
"	proportionate cost of search ditto		3	3		✓
Feb 24	App'n for patent protection					
	operations of generator	\$2107 ⁰⁰	10	10	0	✓
	" Electrical Railway 1022		10	10	0	✓
28	App'n for Warrand & seal	\$24446 ⁰⁰	12	18	0	✓
"	" " " "	\$24446 ⁰⁰	12	18	0	✓
"	" Notes to proceed with	\$26183 ⁰⁰	4	2	0	✓
"	" " " "	6193 ⁰⁰	4	2	0	✓
"	" " " "	6199 ⁰⁰	4	2	0	✓
"	" " " "	6206 ⁰⁰	4	2	0	✓
"	paid patent office for inspecting copies					
	spec ^{ns} \$2661, 2902, 2954, 2975, 2978, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 3108, 3204, 3318, 3322					
	all of year 1882. \$25,525 ⁰⁰ a.d. 1881. \$25,536 ⁰⁰					
	3054, 3129, 3150, 3160, 3181, 3334, 3418, 3419,					
	3420, 3424, 3441, 3453, 3465, 3466, 3473, 3500,					
	3528, 3538, 3534, 3544, 3546, 3552, 3591, 3605					

Carried forward

13694 H
4

1883
Feb 20

Brought forward

1369 14 1/2

books 3600, 3004, 3049, 3219, 3226, 3236,
3255, 3323, 3349, 3281, 3303, 3331, 3339,
3349, 3350, 3351, 3409, 3418, 3441, 3464,
3508, 3510, 3515, 3522, 3385, 3393, 3520
3533, 3540, 3593, 3664, 3619, 3655, 3691
3400 (twice), 3403, 3410, 3413, 3453, 3454,
3440 (twice), 3449, 3002, 3012, 3013, 3014,
3021, 3022, (twice), 3024, 3025, 3034, 3046
3056, 3061, 3069, 3093, 3094, 3095, 3950 all
Q. 1882. Abundant spec^m R 3546^{cs}

5 12 6 1

" Blue books of spec^m purchased in search
R 3034^{cs}, 3136^{cs}, 3432^{cs}, 3625^{cs}, 4500^{cs};
3019^{cs}, 3155^{cs}, 4608^{cs}, 4886^{cs}, 5014^{cs}, 5182^{cs}
3015^{cs}, 3613^{cs}, 3622^{cs}, 3633^{cs}, 1144^{cs}, 2195^{cs}
3340^{cs}, 2446^{cs}, 2045^{cs}

10 6 1/2

" Two copies of spec^m R 3241^{cs} (1 for self &
1 for Mr. Jeyes)

1 0 1/2

March 16

charges & gov's expenses re final spec^m
proportionate cost of search ditto

20 0 0 1/2

31 charges & gov's expenses re final spec^m
R 4694^{cs} (Note: This contained two large
sheets of drawings the spec^m involved
additional trouble)

25 0 0 1/2

proportionate cost of search ditto

3 3 0 1/2

" Gov't paid to inspect uncompleted
spec^m 4080, 4150, 4192, 3948, 4054, 5011, 4448,
4250, 4255, 4251, 4260, 4240, 4262, 4346, 4461,
4492, 4500, 4511, 4530, 4549, 4582, 4585, 4596,

1 9 0 1/2

duplicate copies of blue books purchased
in search at 6 each by 16 yo viz 3019^{cs}, 4608^{cs},
4886^{cs}, 5014^{cs}, 5182^{cs}, 3132^{cs}, 1144^{cs}, 3026^{cs}, 3193^{cs},
3340^{cs}, 2446^{cs}, 2045^{cs}, 3015^{cs}, 3613^{cs} (has also 3
of 2 other spec^m 3505^{cs} (1 for self & 1 for Mr.
Jeyes)

10 0 1/2

Appⁿ for Material & Final Print
" " R 6183^{cs}

12 18 0 1/2

Carried forward

1441 15 1/2

			15	
1883	Brought forward		1215	
Mar 31 st	Appl ^o for Harvard & Great seal R ^o 6099 ⁰⁰		12180	✓
"	" " " " " " " " " " " "	6306 ⁰⁰	12180	✓
"	To Police to proceed with. R ^o 1019 ⁰⁰		420	✓
April	" " " " " " " " " " " "	1022 ⁰⁰	420	✓
4	charges & Gov's expenses re fiscal spec ^o 1882		2000	✓
"	proportional cost of search ditto		330	✓
20	Appl ^o for Harvard & Great seal of Palau R ^o 1109 ⁰⁰		12180	✓
"	" " " " " " " " " " " "	1022 ⁰⁰	12180	✓
"	paid to cost paid re fiscal spec ^o			
"	R ^o 4691 ⁰⁰ & 4694 ⁰⁰		30	✓
"	blue books purchased - 2 copies of M ^r Edouard Palau's (1 for self & 1 for M ^r Dyer) viz R ^o 3455, 3456, 3458, 3949, 3955, 3961, 3946, 3991, 3995, 3996, of 1882 - Also blue books purchased at retail of search records viz R ^o 4058 & 5689 ⁰⁰		110	✓
May 31 st	Appl ^o for Prot protection Mater 3645 ⁰⁰		10100	✓
"	3 copies of blue book of M ^r Edouard Palau's R ^o 4466 ⁰⁰ & 4694 ⁰⁰ (1 for self & 1 for M ^r Dyer)		30	✓
"	charges & Gov's expenses re fiscal spec ^o 1882		2000	✓
"	proportional cost of search ditto		330	✓
"	Appl ^o for Harvard Great R ^o 6195 ⁰⁰		12180	✓
"	proportional cost of search ditto		330	✓
"	charges & Gov's expenses re fiscal spec ^o 1882		2000	✓
"	proportional cost of search ditto		330	✓
"	charges & Gov's expenses re fiscal spec ^o 1882		2000	✓
"	proportional cost of search ditto		330	✓
These	charges & Gov's expenses re fiscal spec ^o 1882		2000	✓
4	Appl ^o for prot protection R ^o 3854 ⁰⁰		2000	✓
39	Notice to proceed with. 3645 ⁰⁰		420	✓
"	" " " " " " " " " " " "	R ^o 3854 ⁰⁰	420	✓
	Carried forward		164234	

1883		Brought forward	1642 3 4
Apr	Three.	To 3 copies of blue books of Mr. Edmond patents R ^o 11884 ⁰² (1 for self & 1 for Mr. Dyer)	1 0 ✓
"	"	" paid Gov fees to inspect & D. unexpired spec ^{ies} viz 1162, 1230, 1324, 5002, 5112, 5346, 5353, 5345, 5400, 5409, 5504, 5566, 5585, 5586, 5496, 5583, 5599, 5910, 6002, 6046, 6095, 6153, 6164, 5014, 5053, 5060, 5254, 5244, 5304, 5304, 5414, 5458, 5478, 5594, 5431, 5444, 5444, 5462, 5466, 5444 5469, 5493, 5544, 5910, 5961, 6019, 6004 & 6166 of year 1883	2 8 0 ✓
July	"	" two copies of blue books of patent R ^o 11558 ⁰² (one for self & one for Mr. Dyer)	1 0 ✓
"	"	" Appl ^{ca} for Warroad & St. Paul patent R ^o 2645 ⁰²	12 18 0 ✓
"	"	" do do " R ^o 2854 ⁰²	12 18 0 ✓
August	"	" blue books of spec ^{ies} 1604 ⁰² (2 copies) 430 ⁰² , 1404 ⁰² , 2645 ⁰² & 3129 ⁰² also 2 blue bks of each of Mr. Edmond's patents R ^o 1193 ⁰² , 6183 ⁰² , 6199 ⁰² & 46306 ⁰² (1 for self & 1 for Mr. Dyer)	5 10 ✓
"	"	" Gov fees to inspect unexpired spec ^{ies} R ^o 13, 24, 36, 49, 120, 186, 184, 208, 316, 321, 384, 400, 539, 550, 559, 622, 624, 628, 634, 661, 992, 994, 804, 864, 943, 1014 all of year 1883.	1 4 0 ✓
"	"	" charges & gov expenses in final spec ^{ies} 1015 ⁰²	30 0 0 ✓
"	"	" professional cost of search ditto	4 4 0 ✓
"	"	" charges & gov expenses in final spec ^{ies} 1033 ⁰² , 1035 ⁰²	30 0 0 ✓
"	"	" professional cost of search ditto	4 4 0 ✓
Sept 25	"	Expenses incurred in processing Duplicate letter patent R ^o 3094 ⁰²	5 5 0 ✓
"	"	" Electrical Railway	5 5 0 ✓
"	"	" Agency fees for preparation of ducty & attending to other necessary formalities	3 3 0 ✓
Oct 29	"	To appl ^{ca} for proof protection Generators & Motors R ^o 5424 ⁰²	10 10 0 ✓
Total			£ 1469 8 2

WATERHOUSE & WINTERBOTHAM,
Solicitors.

1, NEW COURT,
CAREY STREET,
LINCOLNS INN, W.C.

4th March 1882.

My dear Sir

Mr. Edison's Patents.

Mr. Handford brought me your note yesterday morning, and I am having copies made for him of Mr. DeWells' Reports. I had some conversation with Mr. Handford as to the work which I understand that on Mr. Edison's behalf you desire from this time forward to place in his hands, and I thought it expedient in Mr. Edison's interests to ask Mr. Handford to let me have a letter stating the terms on which that work will be undertaken.

I enclose his letter in order that you may see how the matter stands.

Kindly return it with any comment you may have to make.

The work on which Mr. Handford is now to be engaged, in connection with Mr. Edison's future Patents is of course work which he undertakes for Mr. Edison, and not for the Company, inasmuch as, though it is probable that future Patents will be acquired by the Company, it does not necessarily follow that they will. I do not see at present that the services of a Solicitor will in this matter be required if Mr. Handford is in direct communication with Mr. Edison's Patent Agent in New York, but I should be glad to know whether I am to be considered as Mr. Edison's Solicitor in this business, should any occasion for my services arise. He may think it well that it should be in independent hands. In any

case Mr. Handford's case defines
what his functions will be
and the scale of his remuneration

I am my dear Sir
Yours faithfully,

Herbert Waterhouse

3

Mr. Handford
Waterhouse

Ed. Johnson Esq.

57 Holborn Viaduct

Ed

1882-03-03

Copy.

42, Southampton Buildings
London E.C.4.
3. March 1882.

Theodore Waterhouse Esq.
1 New Court
Carey St.
W.C.

Dear Sir,

With reference to my conversation with you this morning I beg to say that I am willing to undertake the charge of Mr. T. A. Edison's Patent interests in this Country upon the usual terms of first class Patent Agents vizt

Applications for Patents.
Provisional Protection
Notice to Proceed
Seal.

£10. 10. -
4. 2. -
12. 18. -

Final Specification according to length
and time occupied, the average cost being about 20. - -
These terms include Agency, Government charges &c.
When a search through prior Specifications is necessary, the
cost of the same is to be extra - the charge being at the rate of
1 Guinea per day for the time of assistant occupied upon it
with an additional charge for the expense of preparing a
report upon the result if such is required.

In the case of an opposition to a Patent it is impossible to
estimate the expense as it varies greatly according to circumstances,
but my charges will be regulated according to the scale adopted
by the leading Agents.

I shall make no special charge for the perusal of existing
reports upon and digests of Mr. Edison's Patents, unless I
am called upon ^{to advise upon} disclaimers in respect of the same in which
case of course this will come under the category of ordinary
work to be paid for at the usual rates -

1882-03-03

I quite concede that my position with respect to Mr. Edison should be somewhat different from that of an ordinary Patent Agent in relation to his various clients and I am therefore willing, in consideration of the prestige and material advantage of my being recognized by him as his Patent Agent to forego such other business as may be considered likely to conflict with his interests so long as I shall continue to act for him as such Agent and as he shall entrust me with a fair amount of business.

It will not be always easy to determine at first whether the interests of any other client are likely to prove conflicting or not but I pledge myself when the fact is pointed out to me to elect to act for Mr. Edison and to relinquish any other client whose interests are antagonistic to his.

It is unnecessary to state that all matters and papers entrusted to me will be treated as in the strictest confidence and that I shall spare no pains to merit a continuance of yours and Mr. Edison's recommendations and support.

The terms are for cash at each stage of the Patent but it will probably be convenient to arrange for periodical payments at short intervals.

As I have already lodged an application for a Patent in my name as a communication from Mr. Edison I shall be glad to hear as early as possible whether the above terms are satisfactory.

I am, Dear Sir
Yours faithfully

Signed J. W. Handford.

File

OFFICE OF
THE UNITED STATES ELECTRIC LIGHTING COMPANY,
EQUITABLE BUILDING,
120 BROADWAY, cor. Cedar Street,

P. O. Box 4849.

New York, N. Y. 13th 1882.

Thomas A. Edison, Esq.

Dear Sir;

I am informed that an interference is now pending between an application filed by you; an application filed by Mr. Nathaniel S. Keith, of this city, and patent No. 224,571, granted to Charles F. Brush, of Cleveland, Ohio, February 17th 1880, involving, substantially, the matters covered by the principal claims of Mr. Brush's patent; and desire to state, for your information, that I made the invention in controversy and embodied it in a working machine in the year 1873. This machine was used at my nickel plating establishment in New York during the year 1873 and for sometime afterward, and was seen by quite a number of persons; and since that time I have made and used other machines provided with similar devices for regulating the current.

I have recently learned that some time after my invention a considerable number of machines embodying substantially the same invention were made and sold by other persons and were

Edison
2

OFFICE OF
THE UNITED STATES ELECTRIC LIGHTING COMPANY,
EQUITABLE BUILDING,
120 BROADWAY, cor. Cedar Street,

P. O. Box 1949.

New York, March 11th 1882

in public use in this country for more than two years before the filing of Mr. Brush's application. But for these facts — which I am advised by my counsel would constitute a bar to my application and render invalid any patent obtained for this invention by either party to the present interference — I should have filed an application and gone into interference with the Brush patent, as I believe that I should be entitled to an award of priority of invention.

I think it proper that you should be apprised of these facts, and write this for the purpose of preventing any misunderstanding in regard to my position, in case I or the company with which I am connected should desire to make further use of this invention.

Very Respectfully,
Edison Weston



P.O. Box 260

New York, March 13th 1882.

Thomas A. Edison Esq.

Dear Sir:

I have to advise you that the six months allowed by the Patent Office for payment of the final fee on your Typewriter case, allowed Oct 6. 1881. will expire on April 6th 1882.

Please let me know if you wish me to forward this fee.

Yours truly
Samuel W. Serrell
per Michener

181
 My dear Sir
 late of ...
 account to ...
 Patent ...

JAMES FREDERICK PHILLIPS.

OFFICE FOR PATENTS, DESIGNS, & TRADE MARKS.

SOUTHAMPTON BUILDINGS, HOLBORN,
 LONDON, W.C.

March 13th 1882

Sho. A. Tolson Esq.
 United States Patent Office

INVENTIONS
 Protected in Great Britain, the Colonies, and all Foreign Countries.

DESIGNS & TRADE MARKS REGISTERED.

TRADE MARKS DESIGNED.

Licenses for the use or sale of Inventions prepared and negotiated.

Drawings, Tracings, & Designs prepared from Rough Sketches or from the Machine, by competent Draughtsmen.

LITHOGRAPHY AND ENGRAVING ON WOOD.

Searches made as to previous Patents and opinions thereon.

TRANSLATIONS IN THE VARIOUS LANGUAGES.

Remittances
 From the Country or Abroad sent by Banker's draft at sight on a London Bank, as Country Cheques take four days to realize. Post Office Orders to be made payable at the Holborn Post Office.

Dear Sir,
 When formerly with Messrs Brunner, Messrs of Chancery Lane your British Continental and Colonial Patent work always passed through my hands and as I have commenced business for myself some 6 months I should be very glad if you would let me have a share of your work. I am aware that it passes thro' Mr. Serrell of New York but see by the Commission of Patents Council that Mr. Handford of 42 Southampton Buildings is acting as your agent and whether it now passes thro' Mr. Serrells hands first. I do not know but presuming that it does not I beg to solicit a share of your work and considering the great number of Patent you take out I beg to enclose a list of my charges exclusive of writings and drawings awaiting the favor of your reply. I remain Dear Sir
 yours faithfully,
 James F. Phillips

Strictly Private

British

Provisional
Notice to proceed
Warrant & deal
Final Specimen

£. s. d.
5. 12. 6
5. 10. 0
10. 10. 0
6. 6. 0
37. 18. 6

all the charges
are
exclusive of
Drawings and
writings

Continental

Austria 6. 6. 0 including 14 years term
Germany 6. 10. 0 " " " "
France 7. 0. 0 including translation of
Belgium 4. 10. 0 2000 words or that $\frac{1}{16}$ per 100

Colonial (Australia)

Tasmania 16. 0. 0
Tasmania 18. 0. 0
New South Wales 28. 0. 0
Queensland 28. 0. 0
South Australia 22. 0. 0
New Zealand 18. 0. 0
Western Australia 37. 0. 0

J. Fred Phillips

13/3/82



Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. Refuse not be granted against any by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an **UNREPEATED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THEOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
10	Rm	J 13rd	
Received at Post Office Dept. 1105 (Mar 14) 1882.			
Dated New York 17th March			
To J. S. Galls 519, 7th st			
Forty two is S. C. K's case			
will see Terrell for the by			
one & forty C. P. Mott			

THE EDISON ELECTRIC LIGHT SYSTEM.

EDW. H. JOHNSON,
MANAGER.

W11

RH 10/1

57, Holborn Viaduct.

London, E.C. 4th. 9th March. 1882.

Oct 5-31-81. Prof. Oct 7 81. Comm.

Thomas. A. Edison Esq.
65 Fifth Avenue
New York.

Dear Sir

We cabled you yesterday as follows
"Patents 40, 41, 42 are missing To whom did you
mail them". This was in consequence of a letter
received from Mr Waterhouse stating that he had
been unable to trace them. He infers that they were
taken out before 18th February last.

The following is an extract from the same letter
to which I beg to call your attention: - "Patent N^o
3894 ²⁸⁰ which was apparently sent to Mr. Servill
would seem not to have been returned by him. Its
title is "Improvements in the construction of Machinery
and appliances for Electro-magnetic Railroads and in
the generation, distribution, and translation of Electricity
for working the same". It may have been retained on
the ground of its not being the patent with which we
are concerned, but it is certainly in the Schedule to the
Agreement as one to be assigned to us. I am anxious to
get matters straight for the Assignments, in the
completion of which we shall at once remit the
£20,000 to Mr. Edison. I am, Dear Sir

Yours truly
Amos White

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital: 1,500,000 F.

Ivry - sur - Seine. le 25 Mars 1882.

Monsieur P. D. Edison.
68 - 5th Avenue
New York.

RECEIVED
APR 3 1882
ANSWERED

.....1882

Sir
I have this day paid for you
Fr. 120 for interest on of Blanchard Edison, 6/15/81
are enclosed

Yours faithfully,
Max Batchelor

Answer May 28/82

BREWER & JENSEN,
ENGINEERS & PATENT AGENTS.

Patent and Designs Registration Office,
33, Chancery Lane,
London, W.C.

18th March 1882

Thos A. Edison Esq
Dear Sir,

Our names will be familiar to you as being the British Agents for W. L. H. Serrell of New York who up to a recent period at least has acted for you as your Patent Agent. Our relations with W. Serrell are of many years standing and the interest we take in the business he sends us is naturally great, but more especially your cases, forming as they do such evidence of some of the most important and valuable inventions of this present age.

We have just ascertained that your Patent business has passed into other hands, as evinced by cases of yours being taken out in the name of a W. Handford here. As many of your cases have hitherto been taken out in our names as communications from you, the public here may not unreasonably draw the inference that this is owing to our having given you cause for complaint, as the public is ignorant of the fact that the business came to us, as it probably does

to Mr. Handford through a New York Patent Agent. We feel therefore constrained to address you personally in this matter which in the highest degree affects our standing and name, and we feel bound to tell you at least that our position as against Mr. Serrell has been and is of the following nature: he has the entire responsibility of the framing of the specifications and claims, should we however discover discrepancies or clerical errors we correct them, but there our responsibility ends.

As the business has now passed out of our hands we are free to write as we do. That the business of disclaiming was placed in other hands we thought quite out of place, and we may say that there are not many firms here more familiar with electrical subjects than ours; we have moreover made it a speciality and make extracts and notes with sketches of all electric light patent specifications coming out.

We would even now suggest for your own sake and for the sake of our good name that you after having had the cases preliminarily prepared by Mr. Serrell or some other New York agent cause them to be sent to us who would take each case in hand; have special search made and, with the assistance of an eminent electrician, settle the claims accordingly and in accord with the law and practice here; we would also ask the favour that at least some of the cases should

be in our names as communications from you, in order to remove from the minds of the public the impression which has been produced derogatory to our name and standing.

We have also by Mr Serrells instructions taken out most of your Continental and all your Colonial patents. The working and keeping in force of them is a matter of importance which hangs together with the British patents and they should be all in the hands of one firm. We doubt not that a wish expressed by you to this effect would be acted on by the Edison Companies here. Only a London firm of Patent Agents, some time established will be able to conduct matters like these in a satisfactory manner.

The Electrician we have referred to is quite disinterested so that you need have no fear of your interests being jeopardized, in fact we hardly know of another suitable man here about which the same could be said, and who is so fully able to do justice to the matter. We may mention that he has for years been engaged in making the abridgements of Specifications on electrical subjects and is a man of the highest standing and respectability. We could we doubt not make a special arrangement with him for a fixed moderate charge for each case.

As to Disclaimers for British patents we should add that they are in nowise uncommon.

and that there are not many commercially valuable or important patents which have not had a Disclaimer. There are even patents which are disclaimed more than once.

You will therefore understand that the fact of some of your specifications having to be disclaimed is not at all an uncommon thing or by itself proving negligence on the part of the Agent. We have here no official examination as to novelty, and the facilities for searches are not good, so that many inventors omit making searches and chance it.

We are Dear Sir
Yours faithfully,
Brewer & Sons

3
1885
Brewer & Sons

Thursday

RECEIVED
APR 8 1892

6-1172

Edison

ANSWERED

I have made an
engagement for Mr. Betts &
Prof. Weston to meet you &
Wright on Tuesday next (the
11th) at 3 1/2 P. M. to talk
over die dynamo matters
connected with the Weston
interference.

Will you notify
Wright? Or have him notified?

Mr. Betts is anxious
that he and Prof. Weston
should talk with you both
before going further into the
case.

Wm. S. Betts

Office for Patents.

140 NASSAU STREET,

New Building,

New York. April 15th 1882.

Dear Sir:

It affords me pleasure to inform
you that on April 14th 1882
your application for Patent on
Telephones (43,942)
(Case 158^B)
was duly allowed.

The Patent will be engrossed
for issue on receipt of TWENTY DOLLARS,
the balance of fee payable thereon, if
received within six months.

Yours truly,

LEMUEL W. SERRELL.

To Thomas A. Edison Esq.

Ans May 28th 79.



Private

R.O. Box 4689.
P. O. BOX 280.

New York, April 15 1882

Prof Thos. A. Edison
My Dear Sir

In regard to the matter we were speaking of, when in my office on Thursday, I must confess that the facts you spoke of caused me to feel a solicitude, least I might have been the cause of a mistake that was laid to the door of Power & Jensen. I therefore had your case looked up to see where there was any one in which there was a matter shown but not claimed, and not in prov. spec. — The only one that I can find is that known as British No 1. In the specification of this it appears that several U.S. applications were put together, among which was U.S. case No 171 (afterwards patented May 4, 1880 No 227 227.) The materials to be put into this complete spec. appear to have been furnished by you at Meigs Park to Smith, the early part of March 1879. — In acting on case 171 the Patent Office objected (Feb. 15. 79) to the claims

on the meter, and said it must go into another case; On March 3 you were notified of this Office action and on March 5. you wrote stating you were not the inventor of the meter, that the claim must be a combination claim: This was subsequently made but I find was left out after the case went out of my hands and before issue.

Putting all these things together, and judging as I do that no claim was presented for the meter in the English specification I am inclined to believe that M. Pease 171 was put bodily into the English spec. and that no claim was made on it because it was not mentioned in provisional spec. — and that at that time it was not deemed of sufficient importance one way or the other to leave it out or to make a separate application, as the means for "determining the value of the electric current used by weighing the electric deposit" were old, as so stated in your letter of March 5. which was only a few days before your English Spec. was prepared and sent from here: I have thus been particular in giving the facts as far as my records go. I cannot state at this date from memory anything more definitely than I have herein as to how the error

occurred that caused the loss to your company
that you mentioned: so far as I am concerned
I do not want others to bear blame that may
not belong to them, and it certainly does
appear that the responsibility of the
meter being shown in your English A^o.
rests with the parties on this side of the
water.

Enclosed Brewa & Jensen's letter that
came under enclosure to me as mentioned —
and remain

Yours truly,
Samuel W. Jewell

New York, April 28th 1882
Thos. A. Edison Esq

Dear Sir:

I have examined at your request the three English patents of Dr John Hopkinson, (viz: 2481 and 4653 of 1879 and 2989 of 1881), in connection with his statement dated 24th Feby 1882, and have to report as follows:

No. 2481, dated 21 of June 1879.

A patent cannot be obtained on the arrangement described in this patent in the United States without an interference with Field's patent No. 232,253 (dated Sep. 14 80). It is true that Field's application was filed July 3^d 1880, over a year after the date of Dr Hopkinson's patent, but in an interference Field would be allowed to prove an earlier date of conception and completion of invention, while Dr Hopkinson would be limited to the date of his English patent. If Dr Hopkinson's patent was known to the Examiner at the time Field's case was examined (as it should have been and probably was), Field should have been required under the facts

then existing to establish (by his own statement under oath) a date of invention earlier than the date of Dr Hapkinson's patent.

Whether or not this was done I have no means of knowing.

The chances of success in such an interference with Field would be largely in favor of Field.

No. 4653, dated 14th November 1879.

The specific arrangement shown in figures 1 and 2 of his patent might be covered by a separate application if there is not patent already issued claiming the same thing. In a single application has been filed including all the inventions covered by Dr Hapkinson's two patents 2481 and 4653 of '79, it is not likely that an examination was made in the Patent Office as to the specific arrangement just referred to.

It seems to me a matter of small importance, since it is only one of a number of ways of doing the same thing, and especially since you consider a current reverser, as a more practicable thing for the purpose.

(3)

In regard to
the arrangement shown in figure
3 to 6 inclusive, viz: the mounting of
the brushes upon a pivoted yoke, so
that they can be swung directly around
upon the commutator cylinder;

The application of this device to
a machine such as that of Gramme
or Siemens, when it has been
before applied to a machine of the
character shown in Hussey's United
States Patent No. 166,527 (dated Aug.
10th 1876), does not seem to me to be
broadly patentable. I also under-
stand that it is quite common
in electro-motors to mount each
brush on a spindle adjustable
in a slot so that it can be adjusted
to any point within the limits
of a half circle.

No. 2989, dated 7th July 1881.

I have looked into this patent
carefully, and, ~~from~~ ^{think} that
patents can be obtained upon
the devices described in the United
States. Few applications would
have to be filed to cover all the
devices — one on the construction
shown in figures 1, 2, 3 and 4, and
one on that shown in figures

5,6 and 7. It should be borne in mind that there is an inherent weakness in patents taken by foreigners residing abroad in the United States. They rest on the date of the foreign patent when attacked. If an agreement is entered into with Dr. Hopkinson, it should be made conditional upon the grant of the patents.

Respectfully
Rich^d. T. Dyer.

N.B. In regard to his last patent, it seems to me that the device shown in figures 5 and 6 is impracticable, although the principle involved is good. When the metal cross bar Q touches N and P it will ~~short circuit~~ ^{connect} N and M and cut out the motor entirely for an instant. This would prove disastrous.

May 1st 1882

J. A. Edison Esq

Dr to J. S. Mansford

Patent Agent

42 Southampton Buildings
London W.C.

1882				
Mar 3	To	Application for Provisional protection of Invention "Electric Regulators" No 1023 ⁰²		10 10 0 ✓
"	"	Notice to proceed ditto	No 243	7 2 0 ✓
" 9	"	Application for Provisional protection of Invention "Dynamo Machines" No 1139 ⁰²		10 10 0 ✓
"	"	Notice to proceed ditto	No 244	7 2 0 ✓
" "	"	Application for Provisional protection of Invention "Regulating Dynamo Machines" No 1142 ⁰²		10 10 0 ✓
"	"	Notice to proceed - ditto	No 245	7 2 0 ✓
" 11	"	Application for Provisional protection of Invention "Dynamo Machines" No 1191 ⁰²		10 10 0 ✓
"	"	Notice to proceed ditto	No 246	7 2 0 ✓
" 28	"	Application for Provisional protection of Invention "Dynamo Machines" No 1496 ⁰²		10 10 0 ✓
Apr 18	"	Application for Provisional protection of Invention "Electrical Railways" No 1862 ⁰²		10 10 0 ✓
		Blue Books of Specifications of Mr Edison's Patents Nos 1 to 25		15 10
				92 3 10

*See also
order here*

L

(1)

Schedule of principal items
of work done from Feb'y
1852 to May 11th 1852

RECEIVED
MAY 11 1852
ANSWERED

1852
.....
FILE NO.

English Patents -

- Feb'y 14 To preparing English No. 43
~~X~~ Means for Indicating and
 Regulating the Current of
 Electrical Generators &c &c 20
 (Two U. S. Cases 354 + 345)
- " 20 " preparing English No. 44
~~X~~ Dynamo or "Magneto Electric"
 Machines. (One U. S. Case 351)
- " " " preparing English No. 45 20
~~X~~ Means for Regulating &c
 (One U. S. Case 391)
- " 28 " preparing English No. 46
~~X~~ Regulating Dynamos &c 20
 (Two U. S. Cases 395 + 399)
- Mar 11 " preparing English No. 47
~~X~~ Regulating Dynamos &c 20
 (Three U. S. Cases 405, 406 + 407)

2

Apr 4 - 70. preparing English nos
Electrical Railways &c 40
D.M. ~~18~~ (Six or seven U.S. Cases, not
yet prepared)

" 21 " preparing English nos
49 & 49^a
Construction of Lamps,
Regulating Lamps, and
Construction of Arc-Lamps.
One case as originally 25
prepared, divided by Handford
(Seven U.S. Cases - 360-362-
366-368-369-371 & 370)

~~Feb 10~~
Feb 10 " preparing Digest of 100
English Patents
D.M. ~~18~~ ~~18~~

" 14 " search and preparing report on
Siemens's Pat 2006 of 43. 50
D.M. ~~18~~ Continuous winding on
cylinder

" 15 " preparing arguments
on Mr Edison's English
D.M. ~~18~~ ~~18~~ Pats 2402-79 (Mining out 50
o-cal. & gas) and 4576-79
(specific high resistance)

13.

July 23 To preparing Review of
to ~~the~~ ~~London~~ Bidwell's Report 100

Mar 22 " search and preparing
Report on English Electric
Railway Patents 150
D. ~~W. T. C.~~

- Continental Patents -

July 17 ^{Continental} preparing case no 33 10
to ~~the~~ ~~London~~ ~~Review~~ (corresponds with English 40)

" 20 " preparing case no. 34 10
x do (corresponds with English no. 41)

" " " preparing case no. 35 10
x do (corresponds with English no. 42)

" 28 " preparing case no. 36 10
x do (corresponds with English no. 43)

Mar 11 " preparing case no. 37 10
x do (corresponds with English no. 44)

April 4 " preparing case no. 38 10
x do (corresponds with English 45)
Not charged Road

April 24th To preparing case no. 39
C. X. (concerns with English groups) 10

Mar 6th " preparing argument for
C. X. appeal in German case no. 4. 15

April 24th " preparing argument for
C. X. appeal in German case no. 9. 15

U.S. Pat. - Light Co. -

Feb 1st To preparing specification
X in case 394 - Lamp. 10

" " preparing spec in
X case 397 - Lamp. 10

" " preparing spec in
X case 400 - Electric Lamp 10

" " preparing spec in
X case 404 - Dynam. 10

~~Spec for R. M. Light~~

FROM

THOMAS A. EDISON,

No. 65 FIFTH AVENUE,

New York, 2nd May, 1882

TO

Gen. S. S. Wyoming

EDWARD H. JOHNSON,

LONDON, ENGLAND.

Dear Sir

Referring to your favor of
26th February (which has remained
unanswered first owing to my
absence in Florida and second
in consequence of my sickness
since my return) I think the only
thing in Dr. Hopkinson's patents
which would hold in this country
and be of value is the Broad Head
described in connection with
figures 5, 6 & 7 of patent 222989 of 1881
and set forth in the third claim
of that patent

A Company of mine and
Electric Rail Roads is about to be
formed and I would advise Dr.
Hopkinson to take out a patent
on the above referred to feature
in this country with a view
to making an arrangement with
our Rail Road Co. which can
readily be done if they decide to
make use of the principle

I enclose herewith Dr. Hopkinson's
papers & also enclosed Mr. Jones' support to me
on the subject yours truly, Thos. A. Edison.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

NEW YORK, May 26 1882

Messrs Brewster & Jensen,
33 Chancery Lane - London W.C. Eng.

Dear Sirs;

Your letter dated
18th March, stating your position
with relation to my English Patents,
has been received. I am sorry
if any injury has been or will be
done you by the withdrawal of
my cases from your hands.

I should think that a statement
of your position in the matter
would prevent the injury which
you anticipate, and the fact that
you acted simply as the agent of
a New York solicitor, and lost my
cases by reason of the withdrawal
of the business from your firm-
cipal, would, if known, clear you
with the public. It must be
an experience quite common with
you, as well as with all other members
of your profession having a large
number of clients, to have business
transferred to other parties, as a
matter of policy, or for other reasons
not affecting your professional

standing. In the particular matter, I found it desirable to change the method of doing business ^{there} in relation to foreign patents, and to place the matter in the hands of one person directly under my supervision, instead of having it go through the hands of two parties as it did before at this point.

In selecting an English associate, I was guided wholly by the advice and desire of my business associates in London who are interested in my electric lighting patents. The

Continental patents are controlled by a Company at Paris, and are taken out through their solicitor.

I would be pleased to have you continue to look after the annuities and the working of patents already granted, until the parties in England and on the Continent who have ~~the~~ undertaken to introduce my light make a permanent arrangement with you or with other solicitors to look after the matter. I am truly,

Accd
9th May 82



P.O. Box, 260.

New York, May 5th 1882.

Prof. T. A. Edison

Dear Sir:

Pay & send Bill
to these parties
I have to advise you
give him address

that annuities are due on your French, Belgian,
& Italian patents on the Phonograph, as
follows:—

France, patent dated June 7, 1878. No 124974. tax, (5th year)
due June 7, 1882 amount, including expenses \$25.⁰⁰

Belgium, patent dated June 8, 1878. No 43,375, 5th year
annuity due June 8, 1882. amount including
expenses \$19.⁰⁰

Italy, patent dated June 22, 1878. No 4180. 5th annuity
due June 22, 1882. amount including expenses \$20.⁰⁰

The funds should be sent from
here by May 20th 1882.

Please let me know your wishes
in the matter.

Yours truly
Lemuel W. Serrell
Rushmore

15
Office for Patents.

140 NASSAU STREET,
New Building.

New York, May 6th 1882.

Dear Sir:

It affords me pleasure to inform
you that on May 5th 1882.
your application for Patent on
Telephones

(Case 182)
was duly allowed.

The Patent will be engrossed
for issue on receipt of TWENTY DOLLARS,
the balance of fee payable thereon, if
received within six months.

Yours truly,

LEMUEL W. SERRELL.

P. A. Edison
P. A. Edison

3

T. J. HANFORD.

RECEIVED *Handford*
 MAY 22 1882
 (5) SWEBED
 London May 9 1882
 No. 133
 FILE No.

J. A. Edison Esq
 Menlo Park
 New Jersey U.S. A

Dear Sir)

Mr H. H. Johnson
 has communicated to me
 the message contained in
 your letter to him to the
 effect that you approve
 of the arrangement with
 me and that I am to
 send my bills to you

direct and you will permit.
 I now therefore beg to
 enclose my a/c up to May
 1st, I shall be obliged by
 a remittance for the amount
 of same - I purpose for the
 future sending my a/cs
 regularly on the 1st of each
 month -

I have only to add
 a reiteration of what I have
 expressed to your representatives
 here that no effort will be
 wanting on my part to
 merit your recommendation & support
 I am Dear Sir
 Yours faithfully
 T. J. Handford

OFFICE OF THE
EDISON ELECTRIC COMPANY
65 WALL ST.
NEW YORK

May 11th 1882

Handwritten notes:
Mr. Betts is exceedingly
anxious to go on with our testimony
in the Disc. Organ. Case (Master
vs Edison). He wants to commence
on the 18th. Can you be ready then?
What witnesses do you think we
will want to examine? Mr. B.
wants a list as soon as possible
so as to give names in notice.
As this is important, would
you send an immediate answer.
If the case is delayed much
it will be thrown clear past the
summer.
It is important also that the
proof & note books be carefully looked
over and all the need evidence
possibly be got together, over

Mr. Betts is exceedingly
anxious to go on with our testimony
in the Disc. Organ. Case (Master
vs Edison). He wants to commence
on the 18th. Can you be ready then?

What witnesses do you think we
will want to examine? Mr. B.
wants a list as soon as possible
so as to give names in notice.

As this is important, would
you send an immediate answer.

If the case is delayed much
it will be thrown clear past the
summer.

It is important also that the
proof & note books be carefully looked
over and all the need evidence
possibly be got together, over

Also that there be exhibits
made of all the earlier experiments

Truly yr J. P. Miller

34

T. A. EDISON,

Randolph
Menlo Park, N. J., May 18th 1880.
Willer

May Willer

Dear Sir

Per Edison I asked
me to write and have you send
Hall and Benjamin Catalogue which
you borrowed the time Bickun was
trying to get a patent on a Pump

Very truly

John P. Randolph

I borrowed or rather got the catalogue
to file in the Com in the Patent Office,
it was put in as an exhibit, is
now in the Patent Office and can
be got back

J. P. Willer

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on conditions limiting its liability, which have been submitted to the sender of the following message, and covers not be regarded against only by the sender, beyond the amount of cash paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NUMBER	SENT BY	RECD BY	CHECK
4	Rd	Rd	15 paid

NORVIN GREEN, President.

Received at W. H. May 19th 1882.

David New York 5/19/82
To Y. A. Edison

Will call on you in relation to
typograph. Saturday forenoon reply
if convenient

Geo A Smith
Hoffman House

1882-05-22

BRANDON

INGÉNIEUR CIVIL.

ÉTUDE DE TRAVAUX MÉCANIQUES.

Fabric. des Machines à vapeur, des Machines à vapeur, des Machines à vapeur.

BREVETS D'INVENTION.

TOPOGRAPHIE.

Lithographie à vapeur sur bois.

ESTRÉS EN SÈS.

RECTORIE, ORFÈVRE, CONSTRUCTION PROPRIÉTÉS.

Raffinage, Emploi, Valeur

DU

PÉTROLE

PRIX 2^o 50.

COUVERTURE EN OCTAVO DINÉ DE GRAVURES

APPAREILS PHOTOGRAPHIQUES

Pantographie.

PARIS 11, RUE LAFFITTE

-X-

Paris 11, Rue Laffitte.

622 Mai 1882.

CHAS. BATCHELOR.

Ch. Batchelor Esq

1001 Broadway, New York

Dear Sir

Dear Sir

I beg to acknowledge receipt of yours of yesterday enclosing cheque of 250 in payment of former patent from Rylands. I was not aware of the distinction between your business and the firm as de la Pena; any how they should not have sent you letter since it bore your name in their address; now these mistakes will now take place, as de la Pena address you in Ivory.

Yours truly
S. H. Brandon

4, Westminster Chambers,

Victoria Street, S.W.

24th May 1882

Dear Mr Johnson,

I send herewith a memorandum of my views as to my patents for transmission of power also Mr Edison's letter & Mr Dyson's copy of my three specifications.

I should be glad to hear from you whether Mr Edison would care to take up these patents or if not I should try to dispose of them through my

patent agent.

The limit was started at Holborn Viaduct all right last night perfectly satisfactorily with the exception that there was but 1 cwt available to lift.

Yours very truly
J. Hopkins

21st May 1882 -Memorandum on Patents for Transmission
of Power —

I have read Mr. Dyer's report. Of course I cannot follow him into points of American Law but I may say that I have little doubt of the validity of each of my three English patents. As to the first two patents there is nothing to add excepting to remark that specifications are here not printed for some weeks after they are dated and that for that reason it would seem not impossible that the examiner of Field's patent had not mine before him.

Men-Sciences Pros have an exclusive licence in this country for all their patents paying 5% royalty on all machines to which their claim may be applied and a minimum sum of £300 per annum without power of revocation unless the patents are upset. What I would suggest is that Mr. Edison should take up all my rights in America based upon these three patents whatever they may be on the following terms Mr. Edison to apply for the two patents suggested by Mr. Dyer based on my 1881 patent and if he think fit for patents in interference with Field's. Mr. Edison to elect on or before 1st October of this year whether he will take the patents applied

for or not. If he elect to take them he ~~should~~
 should pay me £3000 for the complete
 purchase, if he declines to take them he
 should assign the patents obtained back
 again to me free of any cost to me.

Give the sum of £3000 on the ground that
 the present value to me of the Siemens business
 is at least £1000 and I have that sum
 in consideration of my difficulty as to the
 American patents.

As to Mr Dyce's proposal the switch is
 intended for small dynamos such as
 Siemens uses where the instantaneous
 short circuit would be of no moment,
 for powerful machines such as Edison's
 with insignificant internal resistance
 a modification would be necessary.

This switch is not of the essence of the
 claim see page 4 of the patent lines 112
 and 9672.

J. Hoffmann

3
May 27 1882
Edison

The Edison Electric Light Company, Limited,
74, Coleman Street,
London, E.C., May 27th 1882

Thomas. A. Edison Esq.
65, Fifth Avenue,
New York.

My dear Edison,

We are sending out to you tonight copies of 5 Patents which we have prepared for Disclaimer. In order that we may obtain our Disclaimers before what is known here as the Long Vacation, commences, and thus be prepared for prompt action, it has been considered desirable to make the applications immediately.

I have requested that you have a further opportunity to criticise before we take the final step but it is impossible to delay the filing long enough to permit this to be done. We find, however, that after having applied for Disclaimer we may withdraw and amend. If your criticisms come back promptly on receipt of these papers there will yet be time for this last course. I do not think there is anything that you will care to alter. I

send the papers to you on the chance that we may have overlooked some vital feature and that you will point it out while there is yet time. One thing is certain, the Telephone case has shown us that we must not be chary about disclaiming and that wherever there is considerable doubt about our ability to hold a claim it should be excised unless it happens to be something of very great importance. Had we disclaimed the Phonograph when we were on the Telephone case in the first instance we would not now have had our patent upset. Bear this fact in mind and the further fact that none of the conclusions in respect to disclaiming have been reached except through the most crucial examination by a number of Patent Experts.

I have particularly requested that such patents as may affect the Dynamo and motor be held back as long as possible as I do not feel the same confidence in my own ability to say what in them is vital and what is not. The Lamp Patent and those features which pertain to the General System are, however, pretty thoroughly thrashed

out and I think we may proceed with
them without fear of committing any
grave mistake

very truly yours,

Edw. H. Johnson

I have today taken my passage
Tickets per S.S. Alaska sailing
Saturday June 17th Will be in
New York City at 4 P.M. on Sunday
June 20th Such is the present
state of Ocean Traveling that
you can predict with tolerable
accuracy the hour of arrival
at the end of a 3000 mile trip
My money goes on the ground
Bast's taking time

Edw.

T. J. HANDFORD.

12, Southampton Buildings.

London, June 1 1882
W.C.

J. A. Edison Esq

Dear Sir,

I have now the
pleasure to inclose you my
a/c for the past month
amount to 111. 17. 10 a
Remittance for which will
greatly oblige

Yours faithfully

T. J. Handford

No. 44

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY

The Company of TRANSMITS all HALF RATE MESSAGES only on conditions, limiting the liability, which have been accepted by the sender of the following message.

Messages can be charged against sender by reporting a message back to the sending station for correction, and the Company will not be liable therefor for errors or delays in transmission or delivery of telegraphical messages.

The message is an ORIGINAL AND NOT A COPY. It is the sender's responsibility to report of the sender under the conditions stated above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Date: New York 16/74 1874

Received at: Edison

READ THE NOTICE AT THE TOP.

*Caution come today will
be down tomorrow
Evening will that day*

L. G. Wilbur

11 Paid

m 9 1/2 PM

224

June 4. 82

Willow

Théodore Puskas
19, rue d'Argenteuil

ADRESSE TÉLÉGRAPHIQUE

Puskas Paris

Paris, le 5th June 1882

Thomas Alva Edison Esq.
65 5th Avenue
New York U.S.A.

Dear Sir,

I have the pleasure to
advise you having this day forwarded
to Mr. Lemuel W. Serrell the amount
of \$69, by a cheque on John Sumner
& Co. in payment of the 5th annuities
on the French, Belgian & Italian patents
for the Chronograph.

Yours truly
Théodore Puskas
Ed. Dupont

Recd
12/17/82



P.O. Box, 260.

New York June 7th 1882.

Prof. T. A. Edison
Dear Sir:

I have to advise you that the 5th annuity on your German Empire patent in Photograph N^o 12631, July 11, 1878, is due July 11, 1882.

The amount is \$57.⁵⁰, including expenses, and the funds should be sent from here by June 24th in order to be in time.

Please let me know your wishes in the matter.

Yours truly
Renewel W. Serrill
Attorney

June 8

Mr. Thos. A. Edison,

Wentworth Park, N.Y.

My dear Sir,

Let me call your attention to my a/c rendered May 31st a case, the title of which was for disbursements made by me. I expect to see you next Thursday, in the magnetic case.

Yours truly
Geo. W. Dyer.

Office for Patents,

140 NASSAU STREET,

New York Building.

New York, June 26th 1882.

Dear Sir:

It affords me pleasure to inform you that on June 24th 1882

your application for Patent on

Telephones -

(Case 158 A)

was duly allowed.

The Patent will be engrossed for issue on receipt of TWENTY DOLLARS, the balance of fee payable thereon, if received within six months.

Yours truly,

Lemuel W. Serrell.

Thos. A. Edison Esq.

This is the case that was an interference with Scribner, and decided in your favor. S. L. W. S.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Errors are to be made except only by repeating a message back to the sending station for comparison. And the company will not be held liable for errors or delays in transmission or delivery of telegraphed messages, except the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message. This is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

THOS. S. SACKETT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	REMARKS
3	nu	E	16 Box Collect
Received at <u>Meulo Park Depot</u> <u>6/28</u> <u>1882</u>			
Dated <u>Washington D.C. 28</u>			
To <u>Thos A Edison</u>			
<u>Meulo Park</u>			
<u>Have wired Barton that Johnson</u>			
<u>cannot testify this week do not get</u>			
<u>witnesses for tomorrow</u>			
<u>Geo W Dyer</u>			

T. J. HANDFORD.

³
Handford
12, Southampton Buildings,
London July 5 1882
W.C.

J. A. Edison Esq,
Menlo Park
New Jersey
U.S.A.

Dear Sir)

I beg to confirm
my letter of May 9th &
June 1st enclosing my
a/c's up to date & now
beg to enclose my a/c
for the past month
amount £7. 10. 4 &
shall be glad to have

a remittance for the
whole amount due as
per the several a/c's
rendered at your early
convenience.

I am Dear Sir
Yours truly

T. J. Handford

July 1st 1882

G. A. Edison, Esq

Dⁿ to Mr
L. J. Handford
Patent Agent112 Southampton Buildings
London W.C.1882
June 19
28

Do Notice to proceed, Stern & Byllesby No 2336 ⁸²	7	2	0	✓
Blue books of Specifications purchased as result of search re cases 43 to 47 inc. Nos 27 ⁷⁹ 1692 ⁷⁹ , 315 ⁸⁰ , 849 ⁸⁰ , 1392 ⁸⁰ , 3409 ⁸⁰ , 200 ⁸⁰ 1636 ⁸¹ , 1835 ⁸¹ , 2739 ⁸¹ , 4168 ⁸¹ , 4825 ⁸¹	0	4		
<i>L</i>	7	10	14	



P.O. Box, 260.

New York, July 11th 1882.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 2nd annuity on the Edison & Henry French Patent on Fac-simile Telegraphs dated Aug. 31, 1881. No 144646. is due Aug. 31, 1882.

The amount is \$25 including expenses, and the funds should be sent from here by Aug. 12th in order to be in time.

Please let me know your wishes in the matter.

Yours truly
James W. Serrell
& Pinckney

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS its messages only on conditions limiting its liability, which have been assumed to by the sender of the following message, however and be guarded against only by repeating a through back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, except the amount of this paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKER, General Manager.

NORVIN GREEN, President.

NUMBER 5	SENT BY JH	RECEIVED BY 21 Collect	CHECK
Received at <u>Menlo Park Depot</u>		<u>7/15 1882</u>	
Dated <u>Cardinal Ont 15</u>		<u>6:13 pm</u>	
To <u>Matt</u>			

Look in books of telephone exhibits
for information asked by Wittes
shall be at agdenburg New York
till tomorrow Sunday morning

Edison

THE MONTREAL AND DOMINION TELEGRAPH COMPANIES, LIMITED,

Operated by the Great North Western Telegraph Company of Canada.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message.

Errors can be guarded against only by repeating a message back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or



delivery of messages, beyond the amount of this paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

H. F. DWIGHT, General Manager.

EDWIN WIMAN, President.

Hour 5:00	Day Thu	Month July	Year 1882	Time 4:17 P
--------------	------------	---------------	--------------	----------------

This telegram had been received under the above conditions.

No. 7/15/1882

By Telegraph from Menlo Park Depot

To C. P. Edison

Phonograph apparatus sent right
America making
of Enquiries bearing
fixed July twenty
since nothing yet
from you water-
house =
C. P. Edison

READ THE NOTICE AND AGREEMENT AT THE TOP OF

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message, transmission or delivery of Unrepeated Messages, beyond the amount of time paid thereon, and the company will not hold itself liable for errors or delays in after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THEOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CITY
1	B. W.	68 Collect	

Received at Menlo Park Depot 11250 July 16th 1882.

Dated Caldensburg, Md. July 15th

To Chas. P. Mott

Menlo Park, N. J.
 Will call at Ossego New York
Monday afternoon for telegrams
 Do not give further information
 about Phonograph if however
 you have done so till here

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message, transmission or delivery of Unrepeated Messages, beyond the amount of time paid thereon, and the company will not hold itself liable for errors or delays in after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THEOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CITY

Received at Menlo Park Depot Page 2 1882.

Dated _____

To _____

immediately he must not see
it as any English people could
that applicants have sent agents
here to make enquiries about it
Send following cable without
signature - Waterhouse - one
New Court Lincoln Inn London

Form No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the sender of the following message. It does not guarantee the accuracy of the message, and the sender will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of value paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an **UNREPEATED MESSAGE**, and is delivered by request of the sender, under the conditions named above.

THOS. T. EOKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK

Received at Menlo Park Depot

Page 3 1882

Dated _____

To _____

*Edison Yachtline returns for
Days when with cable fully*

Edison

11

9
8
7
6
5
4
3
2
1

THE MONTREAL AND DOMINION TELEGRAPH COMPANIES' LINES,
 Operated by the Great North Western Telegraph Company of Canada.

This Company transmits and delivers messages only on conditions limiting its liability, which have been assumed by the sender of the following message.

Errors can be guarded against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in transmission or



delivery of unregistered messages, beyond the amount of telegraph charges, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an unregistered message, and is delivered by request of the sender, under the conditions named above.

H. P. DUNNIST, General Manager.

ERASTUS WIMAN, President.

No. of No.	Class	Rate	Rate by	Time	Charge
	M	B	B	7	25.00

This Telegram has been received upon the above conditions.

CAPE VINCENT, N. Y. JULY 17, 1882. 188

No. _____
 By Telegram from *Wm. T. DeLoach*
 To *J. A. Edison*

READ THE NOTICE AND AGREEMENT AT THE TOP.

*Wilbur unregistered Magnet
 Evidence to be taken
 twentieth will Johnson be
 here Carble seven four
 waiting price resistance
 and detailed particulars
 hundred & fifty light
 Machine*

C. M. B.

Theodore Puskas

19, rue d'Hydrant

ADRESSE TÉLÉGRAPHIQUE

Puskas Paris

Paris, le 17^e July 1882

J. A. Edison Esq.
65 5th Avenue
New York

Dear Sir, I have the pleasure of
advising you having this day remitted
to Lemuel W. Serrill the sum of
£ 92.50 for balance of his acc. to date
and 5th annuity of geminax patent
11 July 1878 Phonograph. of which
please take note

Yours truly
Theodore Puskas
A. Dupont

Acknowledge
receipt
look up there



New York July 18th 1852

Prof. Tho^s A. Edison
My Dear Sir

Mr. Storrow writes me to say that he wants very much to get hold of a letter that Mr. G. Sawbough says that he wrote to you in 1848 concerning your Phonograph: This is the man that is claiming your carbon telegraph, phonograph and every thing else; and this letter may help to show him up -

I hear that you will be back on Thursday and therefore write to you to ask how to get at this letter the best; perhaps you can lay your hand on it, if not I will come or send down to give a hand. Early reply will oblige

Yours truly -
Lemuel W. Serrell

1882-07-20

COPY

New York, July 20, 1882.

Messrs. Waterhouse & Winterbotham,
1 New Court, Carey St., Lincoln's Inn,
LONDON, E. C., ENGLAND.

Dear Sirs:-

Referring to the cable correspondence confirmed elsewhere, I would call your attention to the fact that in English patent 2927 and U. S. patent 213550, a machine is described where Morse characters were indented in paper and the characters reproduced audibly from these indentations. This apparatus was exhibited in Paris and at the Crystal Palace and was seen by Mr. W. H. Preece and Mr. Fisher in operation the day before they left America when they were over here.

This was the origin of the Phonograph. You will notice in my Telephone Interference case Book Exhibit 7-12, dated July 11th, 1877, the top figure shows what is indicated in last paragraph of No. 2909. This was the crude application of the Phonograph's principle to telephony. The wheels had on their surface the indentations of a spoken letter. On touching a particular key the contact spring was vibrated and transmitted the waves over the wires, through the medium of the Carbon Tension Regulator, where it was rendered audibly by a telephone receiver. Exhibit 115-12, dated August 17th, 1879, shows the Phonograph more developed and used as a recorder in a telephone circuit, it is the bottom figure.

I send you herewith the Nottage contract which is invalid as he refuses to sell any Phonographs and only exhibits them. We had a great deal of trouble to get any money from him, but I think that eventually \$1,000 were obtained. Mr. Theo. Puskas, 33 Avenue de l'Opera, Paris, will advise you fully as to this. For three or four years past I have not heard from Nottage. You will

notice in the next to the last clause in contract with Mottage that we are allowed to disclaim whatever is necessary. Please take great care of the agreement and return it at your convenience as I have no other copy.

I am very sorry that there should have been so much delay in answering your cable, but as I was away, together with Mr. Johnson and Mr. Insull, there was no one here to reply.

Yours truly,

(Signed) THOMAS A. EDISON

I.

COPY OF CABLE

WATERHOUSE,
1 New Court,
Linclons Inn, London.

New York, July 20th, 1882.

See English patent Number twenty-nine twenty-seven; also American patent two hundred thirteen thousand five hundred fifty-four March twenty-fifth seventy-nine; get from Hammer large American telephone interference book see exhibit seven hyphen twelve explains last paragraph in provisional of twenty-nine hundred nine; see also exhibit hundred fifteen twelve, also hundred fifty-four twelve; Puskas Paris can give exact amount received from Nottage, think it did not exceed thousand dollars money was paid account exhibitions not sales. Nottage contract invalid, it contains clause permitting me disclaim any part of the patent, written to-day.

(Signed) EDISON.

Ans
24/7/82



P.O. Box, 260.

New York, July 22 - 1882

J. A. Edison Esq

Dear sir

Has the Fac-simile
Telegraph patented by you & Mr. Kenny
been worked in Belgium? -
If not, it should be worked there
before Aug. 1.st as Mr. Brandon
informs me that the exhibition of
this invention at the Paris Exposition
is considered as the working of it
in France, and that as the Exhibition
opened in France on Aug 1.st 81, the
time for working in Belgium expires Aug 1.st 82.

Yours truly
Samuel W. Serrell
for C. K. Smith



P.O. Box. 260.

New York July 20 1882

T. A. Edison Esq
Dear sir

I have learned
that the annuity due on your French
Patent no. 141,757, in March last, was
paid by and the receipt given to
the Paris Co. — Is this annuity
should be? This Patent is
for Elec. Magnetic Railroads —

Yours truly
Lemuel W. Serrill

Referring to yours of 11th inst. ~~patent~~
The payment in question
shall be made — The amount
annuity the patent.

S. G. N° 97.)

SECRETARIAT GÉNÉRAL.

CHAS. BATCHELOR.

RÉPUBLIQUE FRANÇAISE.

LIBERTÉ, ÉGALITÉ, FRATERNITÉ.

1882-07-26.

(R. N° 7. - Adj.)

SET. 36

Paté

544

1^{re} DIVISION.

3^e BUREAU.

PRÉFECTURE DU DÉPARTEMENT DE LA SEINE.

NOTA.

« La durée du brevet courra
« du jour du dépôt prescrit par
« l'art. 5. »
(LOI DU 5 FÉVRIER 1850. — ART. 6.)

Le déposant conservera ce bulletin et le représentera avec le titre d'avis qu'il recevra de la Préfecture pour le retrait du brevet.

Les brevets sont délivrés aux signataires du procès-verbal, sur leur décharge, ou à leurs mandataires momentanément constitués et porteurs d'un pouvoir spécial.



BREVETS D'INVENTION.

BULLETIN DE DÉPÔT.

Le 26 Juillet — 1882, N° Mœa pour M^r: Edison



a déposé au Secrétariat général de la Préfecture, sous le N° 418117 —, un paquet cacheté contenant, suivant sa déclaration, la demande d'un Brevet d'invention avec les pièces à l'appui.

114 - 707 - Ch. de Montesson Par - 0218

authentic
F. WILBER
American and Foreign Patent and Patent Causes.

816 F St., Washington, D. C., and 65 Fifth Ave., New York.
P. O. Lock Box 252, Washington, D. C.

New York City
~~Washington, D. C.~~, July 26th, 1882

T. A. Edison Esq.

Dear Sir

This affidavit relates
to carbonization of paper generally (not
limited to lamp carbons) under strain and
pressure.

Maxim and Sawyer have been
cited in the matter, their earliest record
date is the 21st of October 1879 (Sawyer)

Please execute and return & oblige

Yours Truly &c

J. F. Wilber
Per Kear

The Edison Electric Light Company
65 Fifth Avenue

Neville Green Pass
S. B. Eaton Vice-Pres.
S. P. Fisher Treas.
C. Greenleaf Secy.

New York..... July 31st.....188



T. A. Edison, Esq.

Menlo Park, N. J.

Dear Sir:-

Immediately after your visit this afternoon, when you showed me Mr Dyer's report upon Major Wilber's report to me, dated July 24th., I sent for Major Wilber and had a talk with him. He denies in toto the charges sustained by Mr Dyer's report and by the accompanying exhibits obtained from the various examiners in the Patent Office. Major Wilber pledges me his word, frankly and boldly, that every statement he has made in his report is true, ordinary errors in clerical work excepted, and that he will satisfy me or any committee of our Board of Directors that he has been guilty of no dishonesty or irregularity, and that the charge that he has reported cases as filed when they have not been filed is utterly false. He leaves for Washington this evening to investigate the matter and promises to make a good report to me by the end of the week.

I told Major Wilber that I thought a prima facie case had been made out against him, and that under the circumstances I could not continue him ⁱⁿ his present responsible position until he had cleared himself. I told him that I should at once put Mr Dyer in charge of his office and asked him to consider himself suspended, until he shall have cleared himself. In reply to this

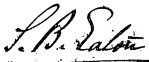
he said he was entirely willing I should do so and that he could not see how I could do else. He will accordingly report to Col. Dyer in Washington on the taking of testimony in the railroad case of Edison vs. Siemens-Field, the testimony in which case will be taken in this city Thursday. He will ask Col. Dyer to come to New York to take charge of taking the testimony. I had intended, in order to save the expense of taking outside counsel, to let Wilber take this testimony, a service for which he would not be paid outside of his regular salary. I will write *Col.* Dyer about this by this evening's mail.

Regarding the alleged difficulty in obtaining copies of papers Wilber states that every paper that has ever been filed or been prepared for filing, is in his room properly arranged in boxes which Mr Dyer understands and that Mr Dyer is entirely at liberty to come there at any time and make any copies he may desire, on either your direction or mine. Wilber states that it will not be necessary for him to be here in order to enable Mr Dyer to get such papers as he will require to commence immediate work on these cases, but that Dyer will find them in the proper boxes in Wilber's room. He makes however the proper request that if Mr Dyer removes any papers whatever he will leave a receipt for them. I told him that Mr Dyer would of course do that in any event without being especially asked to do so.

Regarding the patents already allowed (Wilber says there are 28), will you kindly request Mr Dyer to at once take them out without any delay and to draw upon this Company for the necessary funds? I told Major Wilber that I should ask Mr Dyer to do this. Will you kindly pass this letter over to him and ask him to attend to it. I will write him officially on the subject.

Wilber meets this charge in a way that puzzles me more than ever. He declares himself absolutely innocent, and he unhesitatingly makes a counter charge that the allegations sustained by the report and exhibits are false, both in general and in detail and that they were gotten up to injure him without foundation or truth. This puzzles me. However, we will get to the bottom of the thing in a few days, and we will then know just what the facts are.

Very truly yours,



Vice President.

T. J. HANDFORD.

42, Southampton Buildings,

London, Augt 1st 1882
W.C.

J. A. Edison Esq
Menlo Park
New Jersey U.S.A.

Dear Sir,

I am somewhat surprised that I have received no reply to or acknowledgement of my several letters enclosing my accounts dated May 1st, June 1st and July 1st respectively—

I now beg to enclose my A/c for the past month amounting to £31. 18. 10 & forming with the preceding accounts a total

of £243. 10. 10 as per statement herenclosed—viz

May 1 st —	92. 3. 10
June 1 st —	111. 17. 10
July 1 st —	7. 10. 4
Augt 1 st —	31. 18. 10

£ 243. 10. 10

As a very large portion of this sum is cash out of pocket I shall be much obliged by a remittance for the above amount at your earliest convenience.

Yours truly

T. J. Handford

[ENCLOSURE]

Aug 1st 1882

J. A. Edison Esq.

J. J. Hauford
Patent Agent

42 Southhampton Buildings
London W.C.

1882
July 7

50 Blue books of specifications purchased as a result
of search/re cases 48,419, 49th of Steu & Byllesby, viz.
Nos 211⁷⁹, 1447⁷⁹, 8085⁷⁹, 3057⁷⁹, 523⁸⁰, 5137⁸⁰,
2038⁸¹, 2402⁸¹, 4057⁸¹, 4128⁸¹, 3821⁸¹

8th " Application for Provisional Protection, J. J. Hauford.
(New Globe) No 3244⁸² Lamp

10th " Application for Provisional Protection J. J. Hauford (Edison)
No 3271⁸² Patent
(Edison)
14th " " " " No 3355⁸³ Supplying Edg

L s d
8 10
10 10 0
10 10 0
10 10 0

31 18 10

L



P. O. Box, 4689.
P. O. BOX 260.

New York Aug 3 1882

Prof Thos. A. Edison
My Dear Sir

The Nicholson
interference is set for argu-
ment & the in. in Patent
Office: If there is any argu-
-ment you have to make
as to what points need
special consideration please
let me know

Yours truly

Emmet W. Serrell

over

W. G. V. W. W.
E. C. V. W. W.
P. O. Box 260
New York

Have nothing to suggest
in the Nicholson Interference
except that I want you
to win the case as the
Western Union will
then have to pay me
more money.

JOSEPH M. TROTT,
ATTORNEY AT LAW AND NOTARY PUBLIC.
Telegraph Building, Front St.
Consul-General of Trade for Massachusetts and New York.

Bath, Maine, Aug 15 1882

Replying to your favor of the - Mr Tho. A. Edum.

elleulo Park, N.Y.

Dear Sir, I am here taking testimony
in a suit, and upon my return to Washington, probably on Monday
next, will have to start at once for Chicago, and Indianapolis
to take testimony in your magnetic ball interference. If you have
not done so already, I wish that you would ask Mr. Bissell to
send check to me for my last months pay - \$120, at once, as
I will need the money for travelling expenses.

Yours truly
J. M. Trotter

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, Aug 23 1887

Dear Inull:

Don't you think that
Ogden's bills for work
done on Light Company's
patents, should be
made out against the
Company, and not Mr.
Edison? Unless you have
special reasons for it,
be good enough to have
them so headed.

Yours
Hutchinson

318
518 SEVENTH STREET,
LOCK BOX 50.

GEO. W. DYER,

ATTORNEY AND COUNSELLOR AT LAW,
(Specially, Patents.)

WASHINGTON, D. C.

August 23^d 1882

Mr S. Russell,

Monte Park, N. J.

Dear Sir,

I hate to trouble you,
but I wish that you would send me a check for \$20,
my last month's cap against Mr Edison. The particular
reason for asking for it, is that I am obliged to go the
last of this week to Chicago and Indianapolis, (this
matter having been postponed a few days) to attend
the taking of the testimony of Gray and Killbuck in
the Magneto Cell interference case, on Mr Edison's
account, and this trip will cost me \$20, and I
am very short of money. If you will mail this
check to me on either Thursday or Friday, it will
be available before I go, and be very acceptable.

I am happy to say that Dick is very well,
and is coming very hard, and to good purpose.

Yours truly,

Geo. W. Dyer.

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, August 15th 1882

Dear Marshall,

In my accounts it is often required to know what has been paid a certain party for any particular thing. In other patent matters this is often the case, and for that reason it is inconvenient to associate Mr. Edison's account in any way with Patent expenses, our transactions with him being entirely foreign from that branch. For this reason I wrote you asking to have Oyer's bills made to us. It may be a matter of more importance to you than to us, in which case I can make modifications to suit your convenience.

Yours very truly
J. Hutchinson

The Edison Electric Light Company

65 Fifth Avenue

Make Good Post
S. B. Eaton New York
E. P. Feltner Times
C. Goddard Selig

New York August 29th, 1888

Chas. H. ...
Y. A. Edison, Esq.

Menlo Park, N. J.

Dear Sir:-

Since Major Eaton has been away Major Wilber has brought in an opinion in regard to the right of persons to infringe patents on paying the amount of royalties charged to others. This opinion is addressed to Major Eaton, but it appears to be an answer to an inquiry of yours, and as Major Eaton is away and will probably not be back for some time I send the same to you for your perusal. Will you kindly return it. It is marked 29 A.

I also enclose memo. of Mr Clarke and Mr Moore in reference to your letter of the 26th. inst. touching the matter of springs on E. dynamos. Will you kindly return the same to me after you have read it. It is marked 29 B.

Yours truly,

W. H. Meadowcroft



P. O. Box, 260.

New York, August 21st 1882.

Prof. T. A. Edison
Dear Sir:

The copies of U. S. patents in the Electrical class that have been furnished you for several years, have always been charged to the A. U. Tel. Co.

The Co. now thinks it should not be charged for these copies in the future.

Please let me know if I shall charge you personally for these hereafter.

Yours truly
Emuel W. Serrell
P. O. Box 260

T. J. HANDFORD.

12. Southamp^{ton} Buildings,
London, Sep 1st 1882
W.C.

J. A. Edison Esq
Menlo Park
New Jersey
U.S. A.

Dear Sir,

I received yesterday
evening your telegram
"Gouraud six Lombard
"authorized pay you"
and I have applied to
Col. Gouraud for cheque
for the amount of 400

rendered to Aug 1st
£243. 10. 10.

I now beg to
enclose my a/c. for the
past month amounting
to £177. 19. 8 I shall be
glad to know whether I
am also to apply to
Col. Gouraud for payment
of this.

I am Dear Sir
Yours faithfully
T. J. Handford

P.S. I have just learnt that Col. Gouraud is
in the Continent & his leaving does not even know
his present address nor has he the slightest idea
when he will return.

6, Lombard Street
September 2nd 1882

J. A. Edison Esq
Menlo Park
New Jersey

Dear Sir,

In the absence of Col:
Gouraud I received your cable
to him directing him to pay
Handford's ops - Colonel Gouraud
however is travelling abroad and
I do not know when he will
return - I have seen Mr Handford
& told him this - Doubtless he
will cable you to the same
effect.

Yours faithfully
H. Pigg



P. O. Box, #689.

New York, Sep. 11 1892

Prof. Tho. A. Edison
Dear Sir

Have you succeeded in finding any of the letters from D. Fraunbach for which you were searching as desired by Mr. Storrow?

In your letter of 2 Aug you state that you were having your letters for 1848 examined and would advise result, but I have not heard from you since —

Is there any person or Co with which Fraunbach could have corresponded? It is said that he was enquiring the price of a license to use the photographs in clocks to announce the hours &c: this is the original

Letter that is desired
Yours truly
Lemuel W. Serrell

Handford
112. Southampton Buildings.
London Sep. 19. 1882
W.C.

T. J. HANDFORD.

J. A. Edison Esq
Mentpark
New Jersey
N. S. A

Dear Sir)

I am in receipt
of your favor of 1st Inst
which has crossed my
letter ^{to you} of same date -

As I informed you
I applied at Col. Gouraud's
office for payment of 4c

and his secretary informed
me that he was absent on
the Continent & he said (the
Secy) did not know
exactly where the Colonel
then was staying -

Nearly a fortnight has
now elapsed & I have
heard nothing further -

I scarcely know whether
I ought to mention it but
his Secy thinks that there
were no funds in hand
out of which the payment
could be made -

Yours faithfully
T. J. Handford

DREXEL MORGAN & CO.
145 N. 5th Street
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARRIS & CO.
Paris.

New York, 16th Sept 1882

P. Q. Edison Esq.
65. Fifth Avenue,
City.

71
12
12

Dear Sir,

We have received from our London
Friends Messrs J. S. Morgan & Co, today, the
following:-

"Will it do for us to take the draft
of Bradford on T. A. Edison to the
extent of £1000."

to which please enable us to reply -

Yours truly
Drexel Morgan & Co

Ans'd 16th Sept
requested their
to cable J. S. M & Co
to honour the draft

12/27/1882
12/27/1882
12/27/1882
12/27/1882
12/27/1882
12/27/1882
12/27/1882
12/27/1882
12/27/1882
12/27/1882

Alan Fox
12, Southampton Buildings,
London Sep 19 1882
W.C.

J. A. Edison Esq
Menlo Park
New Jersey U.S. A.

Dear Sir)

I duly received
the following telegram from
you on Saturday "Draw on
"me at sight through J.S.
"Morgans amount your
"bills" & at once applied
to Mess Morgans the
American Bankers - They

were obliged however to
cable to the States for
a confirmation & ultimately
I received a cheque from
^{(less the cost of}
^{the two telegrams)}
therefor for the amount
of my a/c rendered up
to 1st Sept for which I
am very much obliged.

If you adopt this mode
of payment again please
give instructions through
Mess Morgans American House
as inconvenience expense &
delay will be thereby saved.

I am Dear Sir
Yours faithfully
A. Fox

GEO. W. DYER,

ATTORNEY AND COUNSELLOR AT LAW,

(SPECIALTY, PATENTS)

WASHINGTON, D.C. Sept 28

1882

A. Edin.

65, Fifth Ave N.Y.

Dear Sir,

I enclosed you
 early in the month my a/c for August,
 amounting to \$74 for charges and disburse-
 ments. I presume that you have overlooked
 this, in your press of business, and the
 disturbances of month. Will you kindly
 send me check for same, by Saturday
 the 30th.

Yours truly
 Geo. W. Dyer.

The Edison Electric Illuminating
 Company of New York,
 65 Fifth Avenue.

37

McDonald

New York, Sept. 28th 1882

The Edison Co. S.S.

Dear Sir,

I wish to see you
 relative to your patent business -
 I have been absent from Washington some
 weeks & only learned on my return of
 the severance of the Edison connection.
 Would like a personal interview
 with you - Having been an Examiner
 in the Class & will consider Edison
 since - I know I am quite up in the air.
 Will call here at 10 am, tomorrow
 (Thursday) - If in the meantime you
 prefer this, please address me Care N.Y.
 Metallurgical Works, 104 1/2 Ave. Washington St.

Very truly yours

W. H. McDonald

H.

TELEPHONE NO 2500.

From WATERHOUSE & WINTERBOHAM,
Solicitors.

1, NEW COURT,

CAREY STREET,

LINCOLNS INN, W.C.

30th Sept^r 1882.

Dear Sir,
Brewer & Hensen.

Referring to your letter received on the 22nd of last month we had to report that the items of Brewer & Hensen's account which have been ascertained to refer to the Indian & Colonial Co^s have been separated from the main account and will be sent in by us to Col. Howard. The other items appear to be properly charged against Mr Johnson, probably as agent for Mr Edison. They relate mainly to the Continental patents and we think should be forwarded to Mr Johnson for payment.

We may mention that Mess^{rs}

Brewer & Hensen have called and written asking for a cheque. We enclose the corrected account and are,

Dear Sir,

Yours faithfully,

Waterhouse & Winterboham

W. J. Hammer Esq of
57 Holborn Viaduct
E.C.

Patents

Patents

London Sep^r 29th 1882

C. H. Johnson Esq
The Edison Electric Light Company
57 Holborn Viaduct. E.C.

To Brewer and Jensen

1881			
Oct-14	To Making list of all Edison's British Patents with dates of payments of taxes etc sent you by hand	1	2 6
28	Sent you Blue Book of Mr Edison's Patent N ^o 4226 ^r		2 6
	Forward to you Office copies of the specifications of Mr Edison's Patents N ^{os} 1783 ^r , 1802 ^r , 1918 ^r & 1943	3	5 5
Decr 9	Forwarded you office copies of the specifications of the following Patents of Mr Edison N ^{os} 21482 ^r , N ^o 2492 ^r , N ^o 2495 ^r , N ^o 29574 ^r , N ^o 3231 ^r , N ^o 3140 ^r , N ^o 3483 ^r	2	- -
		1	10 -
		1	16 -
Jan ^y 9		1	5 6
		1	10 -
19		2	5 -
Feb ^y 11		1	18 -
20	Instructing Swedish and Norwegian Agents further as to the working of Edison's Patents; attending on you, and wrote you		15 -
23	Paid for Carriage of Lamps and packing sent to Sweden		17 6
27	Paid for working all Edison's Swedish Patents N ^{os} 3 and 4	20	3 6
	Carried over	38	7 6

July	Brought over	38	7	6
28	Telegram to Copenhagen to send Lamp to Stockholm		7	6
March 1	Sent you Office Copy of the spec ^{ns} of Mr Edison's Patent N ^o 3804		7	6
8	Instructing Agent to work Mr. Edison's Portuguese Patent N ^o 3 and 4		5	-
	Sent you Blue Books of patents N ^o 4576 and 5127		2	-
10	Sent you Office copy of the Specifications of Mr Edison's Patent N ^o 3932		1	13 6
18	" " 4034		2	10 -
27	" " 4174		2	10 -
April 5	Packing Lamps and sent same by special messenger to the City and subsequently on board Steamer in boxes and paid freight to Lisbon		17	6
14	Searching to ascertain what had become of deed Brewer to Fabbrini		5	6
18	Office Copies of the Specifications of Mr Edison's Patent N ^o 4532		2	5 -
"	" " N ^o 4533		2	-
19	" " N ^o 4571		1	10 -
"	" " N ^o 4576		1	12 6
25	Instructing Portuguese Agent to work Mr Edison's Patents N ^o 3 and 4 (cost of working etc not yet to hand)		"	"
			54	13 6

June 10

Brought forward
Paid for working Edison's
Swedish Patents N^o 5 and 6
and charges.

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£ 64 13 6

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DRIVEN MORGAN & CO.
40 Wall Street
New York
JAMES EARLE & CO.
100 Nassau Street
New York

at 8²

New York Sept. 30th 1882

Wm. C. Caison Esq
City
Dear Sir,

We received today a sight draft on
yourself from Messrs J. S. Morgan & Co. for
\$2082.³⁴ drawn by Thos. J. Hanford, for
which please send us your check.

Yours truly,

J. S. Morgan

X

[ENCLOSURE]

42 South Street New York
 No. 602 4511/2
 D 1882 Patents
 Ex^{te} for \$ 2082 ³⁴ London 16 Sep. 1882
 At sight pay this first of Exchange
 second (not paid) to J S Morgan & Co. or order
 the sum of Two thousand ~~eighty two dollars~~
~~thirty four cents~~
 value received which place to account
 To T. A. Edison Esq
 Menlo Park N. J.
 1913
 W. W. Woodford

Drexel, Morgan & Co.

BOX 3036 P. O.

New York, October 2^d 1882

Thos. A. Edison Esq

65 Fifth Ave

City

Dear Sir,

We are in receipt of your favor of the 2^d inst. ^{3/4}
with enclosure as stated Check \$2.082
in payment of Mr. Thos. J. Hanford's
draft for like amount, which we
enclose herewith.

Yours truly

James Seligman

I have your favor of 2nd inst
with enclosure named (on)
which accept my thanks

34

T. J. HANDFORD.

12. Southampston Buildings.
London

Oct 3rd 1882
W.C.

J. A. Edison Esq
Menlo park
New Jersey
United States of
America

Dear Sir)

I now beg to
enclose my a/c. for the
past month amounting to
£234. 3. 10 remittance for
which will much oblige

Dear Sir

Yours faithfully

T. J. Handford

DREXEL, MORGAN & CO.
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARRIS & CO.
Paris.

New York October 6th 1852

Thos. A. Edison Esq.
65 Fifth St
City

Dear Sir,

In reply to your favor of
the 5th inst. we would say that it
will be necessary to fix the amount
which Mr. Sanford is likely to draw
for the guidance of Messrs J. S. Morgan
& Co. -

Yours truly
Drexel Morgan

\$500

Mr Edison,

Mr? Betts will be here to confer with you about the
Weston case, at this office, next Tuesday morning at 10 o'clock.

I have ventured to say you will be here at that time to meet
him. He comes exclusively to confer with you.

S. B. Eaton

October 6th. 1882..

per McFG.

Fuller

[TO JOHN F. RANDOLPH?]

RICHARD N. DYER,
Attorney at Law and Solicitor of Patents,
NO. 65 FIFTH AVENUE,
NEW YORK CITY.

Oct 11 1882

Dear Johnny

There is a model
in the office at the Patent
of Smith's Typograph.

It is the instrument that
stands in a box on Mr
Matt's desk for some
time and was then
moved back and all on
to the ledge where the
letter-press is.

If you can find it,
would you would
spread it to this
office. It is needed
to compare with Mr
Edison's patents, for
which purpose I had
sent it.

Yours truly
Richd N. Dyer

1882-10-17

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital: 1,500,000 Francs

RECEIVED

OCT 31 1882

ANSWERED

Ivry-sur-Seine, le

27 Oct 1882

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ

Grand Diplôme

d'Honneur

PARIS 1881

M. J. Edison

Enclosed please find receipted

bill of Brandon for extension of Sets 24 and 25 (Spain) to colonies as I notified you in my letter of 13 Apl. last.

Also Brandon's receipt by letter for ^{Fr} 330 which I paid him for patent of Stein and Byllesby ordered taken by Gyp.

I also enclose:

- 1 Receipt of deposit of French patent Set 26
 - 2 Brandon's receipted bill for same ^{Fr} 327.25
 - 3 Brandon's explanation of the items in said bill
- These all relate to patent "Improvement in electrical railways and tramways and in cars therefor"

Please give me personally credit for the amounts they carry

Very truly yours

Edison

3 enclosures
letter registered

X: \$44.31 @ 5.19
@ .63.05 @ 2

1882-10-16

D. H. BRANDON

PARIS, 1, RUE LAFFITTE

INGÉNIEUR

le 16 Octobre 1882

CABINET POUR LA PRISE DE

BREVETS D'INVENTION

TRADUCTIONS TECHNIQUES

Dessins mécaniques

CHAS. BATHÉLOR

M^{rs} comtesse de Montebello - M. Bathélor Ing^{rs} - Paris

1882

July 26 to French Patent Office - 200 -

L. 38

" " 1880 extra no. to beyond 2000 at

155^{fr}

62 25

" " 6 drawings 15 fig.

65 -

17 by extension to column 2nd edition - 60 -

changed from 1880 to changed to

1880

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Oct 1 to

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1882-03-11

D. H. BRANDON

PARIS, 1, RUE LAFFITE

INGENIEUR

le 11 Mars 1882

CABINET POUR LA PRISE DE

BREVETS D'INVENTION

TRADUCTIONS TECHNIQUES

Dessins autographiques

M. Battellier Ing^{rs}

Compagnie commerciale & industrielle Edison Sny sur Seine

1882

Belges. 18 Co extension de colonies Spanish patents

Edison Sol 21

60 -

15 " extension de colonies Spanish patents

Edison Sol 5

60 -

(C. A. O. B.)

Frais: 120 -



pour acquit

D. H. Brandon

DB

T.J. HANDFORD.

RECEIVED
14 OCT 31 1882
Southampton Buildings.

ANSWERED
London Oct 31 1882

FILE NO. 82

J. A. Edison Esq
65 Fifth Avenue
New York, U.S.A.

Dear Sir, I received your favor of
8th inst several days since &
applied to Messrs J. S. Morgan & Co
in accordance therewith, in respect of
the 4th last produced - They informed
me however that they were without
instructions but promised to let me
know as soon as they received them -
I have not however yet heard from
them so I conclude they are still
without advices on the subject

Yours faithfully
T. J. Handford

(Copy)

23 Old Broad Street
London E.C. 2 Oct 1882
E. C.

J. S. Handford Esq
112, Southampton Buildings
W.C.

Dear Sir Referring to your
letter of 10th inst, we beg now
to say that we are authorized
until further instructed, to
take your 30th inst draft to
the extent of \$500 (Five hundred
Dollars) monthly on Behalf
of J. A. Edison, of New York, when
accompanied by receipts -
Statement of your monthly
account against that gentleman,
which please note yours truly,
(Signed) J. S. Morgan & Co



P.O. Box, 260.

New York, Oct. 30th 1882.

Prof. T. A. Edison

Dear Sir:

In compliance with your request to send you an Austrian patent, I find your own Austrian patent No. 26935 of Oct. 6, 1876. in my office. I send it by bearer.

Yours truly,
Samuel W. Serrell
A. Pinckney

1852-10-31

Z. F. WILBER, } 816 F St, Washington, D. C., and ~~62 Park Place, New York~~
American and Foreign Patents and Patent Causes. } P. O. Lock Box 252, Washington, D. C. NEW YORK.

Washington, D. C., OCT 31 1882 188
62 PARK PLACE,
NEW YORK.

W. W. Meadman of N. Y.
65-8 Ave, City;

My Dear Sir:

I still have on hand the drawing in ~~the~~ "Sand Drier case", for which I disbursed \$500. The specification I gave you.

What shall I do with the drawing? Who pays therefor and for the specification? I intended to speak to you about it when I was up to 65 but "disremembered" it.

Very truly
Z. F. Wilber

The Edison Electric Light Company
65 Fifth Avenue

Novis Green Pass
S. B. Eaton Vice-Pres
E. P. Feltus Treas
C. Goddard Secy

New York—November 1st, 1882

RECEIVED
NOV 2 1882
ANSWERED

T. A. Edison, Esq.

City.

get how?
.....1882.....
FILE No. 1.....

Dear Sir:-

The question of suing Maxim and Swan will come up at the next Director's meeting. I should be much pleased to have your views in writing to submit.

In this connection let me call your attention to the enclosed letter from Mr. Rogers, of Boston, to Mr. Wright, dated October 28th, containing a lengthy advertisement cut from the Boston papers of the New England Weston Electric Light company, wherein they advertise their Maxim light at length. The Swan company are equipping their factory for manufacturing lamps on a considerable scale. There is an advertisement in the Sun of today advertising for glass blowers to blow bulbs for incandescent lamps for Swan. The Brush company have amalgamated throughout the United States with the Swan company. The Brush company has 64 local companies in the United States and I am satisfied they are all preaching the Swan lamp. Our Chicago Company complains repeatedly of the injury being done both by the Maxim and Swan people.

The question to be decided is whether we shall sue Swan and Maxim, or either of them. If we do not, we shall lose pres-

tige and possibly business. Will you kindly give me your views as our Board will be unwilling to act upon the question of bringing suits without first getting your opinion?

Very truly yours,

S. M. Eaton

President.

My views are very strongly in favor of not suing either Swan or Maxim - my reasons are ~~as follows~~ ~~that no~~ ~~Company but ourselves~~ are the same as given over a year ~~or half a year~~ ago when it was urged with great persuasion by the directors to sue Maxim. Since that time the Maxim Co have lost not less than \$500,000 through attempt directly & indirectly to introduce an Amendment lightening ~~my~~ ~~opinion~~ is even more strongly not to sue the British Swan Comb as the use of an accumulated ~~will~~ ~~only~~ ~~hasten~~ their ~~own~~ ~~destruction~~.

Mr. Edison,

Herewith please find Col. Dyer's bill for last month.

Some of the items were un-RECEIVED at your request. Are they in
accordance with your view ANSWERED

WILE No. 1

Nov. 2nd. 1882.

per M.C.

34

T. G. HANDFORD.

Handford
42, Southampton Buildings.

London, Mar 2 1882
W.C.

J. A. Edison Esq
65 Fifth Avenue
New York, U.S.A.

Dear Sir)

I now beg to
enclose my a/c for the past
month amounting to
£122. 19. 4 which together
with the amount of my
previous a/c, ^{£234. 3. 10} makes a total
of £357. 3. 2 -

I, ^{also} enclose copy of a letter I

I have received from Messrs
J. S. Morgan & Co. - As
however they are limited to
a maximum of \$500
monthly I have not been
able to obtain payment. I
shall be obliged if you will
assist them further in the
matter -

I am Dear Sir

Yours faithfully

T. G. Handford

Mr. Edison,

Wilber called upon me October 30th. He complains about his drawers having been opened by Dyer and Seeley. Dyer disposed of that in a letter to Wilber of this day. So I will say nothing more about it.

Wilber complains that Dyer maligns him at Washington. I told Wilber I could not control Dyer's private conversation. Wilber says that unless you either discharge Mr. Dyer or induce him to stop talking against Wilber, he will retaliate. Wilber drew out of his pocket a blank patent affidavit executed by Griffiths in blank. He says Griffiths used to execute them in scores and let you fill them up at your leisure. He claims that such an irregularity will vitiate your patents. He says he will use that fact and other damaging facts against us unless you induce people who are about you to stop injuring him.

I tell you the above for what it is worth. I tried to smooth matters over as well as I could, and think I partially succeeded.

S. R. Eaton

November 3rd. 1882.

per Mr. G.

DREXEL MORGAN & CO.
Wall St. Cor. Broadway
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HOBBS & CO.
Paris.

New York 6th Nov 1892.

N. A. Edison Esq
65 Fifth Avenue
City.

Dear Sir

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We enclose herewith copy of a letter addressed by Mr. T. J. Handford to Messrs J. S. Morgan & Co, Randau St - which we would call your attention.

Yours truly,
Drexel Morgan

Copy

Ed. Southamptou Buildings
London Oct^r 24th 1882.

Messrs J. S. Morgan & Co
22, Old Broad Street
E.C.

Dear Sirs,

Edison

I am in receipt of your favor of
23rd inst, and am obliged by the
information therein given. - I am afraid
however, if \$500. dollars monthly is the
maximum amount which you are
authorized to pay the arrangement will be
of very little use as my monthly accounts
dated October 1st rendered to Mr Edison
and not yet paid amounts to £234. 3. 10.
and another account will be due in a
week or two.

Yours truly,
(signed) T. J. Handford

Referring to
 please refer to
 6th
 trial
 allowed
 AMERICAN & FOREIGN PATENTS
 100 NASSAU STREET
 New York, Nov. 6th 1882.

I am in receipt of a letter from
 the Patent Office in reference to the old
 interference between your Acoustic case
 No. 132. and C. W. Haskin's, setting the
 terms for closing testimony as follows:-
 Edison, testimony in chief to close Dec. 2. 1882.
 Haskin's " " " " Jan. 5. 1883
 Edison in rebuttal " " 25 "
 Hearing Feb. 13. 1883.

The subject matter involved in this
 interference consists in transmitting sim-
 ultaneously through the same circuit-
 messages on the Morse system and on
 the Electro Harmonic or Telephonic
 system.
 Please let me know if you
 can arrange to give this matter your
 attention within the time fixed (Dec. 2) as

this case has been recently received
by the Patent Office, the two years
having expired since the last action.

Yours truly
Lemuel W. Dorrell
Wm. Cheney

18
Nov 6. 52

10
Handwritten: *Ans. to J. O. Edison*
2, Southampton Buildings,
London, Nov 25 1883
W.C.

J. O. Edison Esq
65 Fifth Avenue
New York U. S. A.

Dear Sir,

I observe that there is
a British patent in your name
for an anæsthetic compound
dated Feb 11/80 No 599 upon
which the 3rd years duty of
£50 is payable before Feb 7
10th 1883 - I do not know
whether you are interested in
this patent but in view of

that possibility I thought it
well to advise you of the
payment becoming due lest
you should not receive notice
from any other source - The
amount payable (for duty &
agency fees together) is
£53⁰ 3⁰ 0; and the patent
itself will be required in
this country in order to do
the needful.

Edison's American &
Colonial Electric Co
I am endeavoring to
identify the Victorian patents
taken out by you & to be
assigned to this company

I have succeeded in discovering
the corresponding British
patents in the case of every
one except the first and
second.

The first Victorian patent is
No 2632, Mch 27/79 "Impt^s in
"the methods of & means for
"developing electric currents &
"lighting by electricity" - I
presume the corresponding
British patent is 4226²⁵. Am
I correct?

The second Victorian patent is
No 2685 Aug 18/79 "Impt^s in
"electric & oxyhydrogen lights & in
"means for developing electric
"currents for use in electric
"lighting" There is no British

Patent bearing the same title.
Is the subject matter the same
as that of British patent No
4502⁷⁸?

A line confirmatory or
otherwise will oblige

Dear Sir

Yours faithfully

W. H. Woodford

Victoria 2632 is same as British
4226²⁵ except sheets 4 and 5 of the
British drawing are not in the
Victorian case.

Victoria 2685 includes sheets of
British 4226²⁵, 4502⁷⁸, 5306⁷⁸ and
2402⁷⁹ besides other smaller
but unaltered in any British

I have succeeded in discovering
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Yours faithfully

W. W. Crawford

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4226th except sheets 4 and 5 of the
British drawing are not in the
Victorian case.

Victoria 2685 includes parts of
British 4226th, 4502th, 5306th and
2402th besides other matter
not included in any British

Mr. Edison,

Free
I have decided to pay Mr. Dyer the terms agreed upon
between him and you, the memo. of which bears your written appro-
val. The change seems to be very fair and reasonable.

S. W. Eaton

November 29th. 1872.

per H.C.

10
71

1300-1187

34

Miss
Cam
T. J. HANFORD

Hanford
Southampton Buildings,
London Dec 2 1882
W.C.

J. A. Edison Esq
65 Fifth Avenue
New York U. S. A.

Dear Sir)

Referring to my letter

of Nov 2nd I find that J. S. Morgan & Co are still without any instructions to pay my accounts if they exceed in amount \$500 or £100 sterling - As my a/c for two out of the last 3 months did exceed that sum I have been unable to obtain payment.

I enclose my a/c for the first month amounting to £22. 16. 4

I also a summary statement for the last 3 months showing a total due to me of £379. 19. 6
As I shall soon be obliged to make some heavy payments (which I have deferred) upon the recent patents I shall be much obliged by a remittance for the above amount at your very earliest convenience.

I am Dear Sir
Yours faithfully

T. J. Hanford

Ames Dec 7, 82



P.O. Box, 260.

New York, Dec. 2nd 1882.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that annuities are due on your foreign patents on Telephones, as follows:

Austrian patent: ^{granted} deposited Jan. 1, 1879. 5th annuity due Jan. 1, 1883 amount \$25 including expenses.

Belgian patent: deposited Jan. 11, 1878. N^o 43984. 6th annuity due Jan. 11, 1883, amount \$21 including expenses.

Italian patent deposited Jan. 19, 1878. N^o 9791. 6th annuity due Jan. 19, 1883. amount \$25 including expenses.

German Patent deposited Jan. 23, 1878. N^o 14308. 6th annuity due Jan. 23, 1883. amount \$67 including expenses.

Also the 5th annuity on your Austrian patent on the Phonograph granted Jan. 8, 1879. It is due Jan. 8, 1883. amount \$25 including expenses.

It will be seen that several of these require immediate attention, especially the Austrian annuities; please let me know

your wishes in the matter.

Yours truly
Samuel W. Serrell
Winckley

Done
Nov. 28th

15

Answered
by telegraph
June 14/82

34
WEST & BOND,
COUNSELLORS IN PATENT CAUSES,
204 DEARBORN STREET,
CHICAGO, ILL.

Dec 6-1882

Thos A. Edison Esq.

June 21st last
we sent you our bill for
services in the East and re-
shall we draw on you for
bal due #371.⁰⁰ or will
you remit - if we do not
receive a remittance by
Dec 15th we shall take
it for granted that we
are to draw, and shall
do so -

Yours truly
West & Bond
Cecr

John H. Foster.
Gerrard E. Lowrey.
Geo. Walter Stone.
Chas. Francis Stone.
Geo. S. Hamilton.

P. O. Box 1836.

Porter, Lowrey, Stone & Stone,
Attorneys & Counsellors, at Law,
No. 3 Broad St. New York.

Dear "y"

1882

Dear Sir:-

Whenever you are going to Boston, please let me know, as it will be desirable then for you to confer with Mr George S. Hale, of the firm of Hale & Walcott, 39 State St. Boston, whom I have retained for you in the case of Welch against yourself. I will at that time send a letter by you to Mr Hale.

Yours very truly,

Thos. A. Edison Esq.
65 Fifth Ave.
N. Y. City.

T. A. Edison

Johns Hopkins University,

Baltimore, Dec. 10 1882

My Dear Edison,

I forwarded
all papers relating to
the magneto-electric
machine to Mr. Milbur
long ago - and even
forgot to receive one
of the copies of the
contract, which I would like
sent back.

Yours truly
H. A. Rowland.

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

Société Anonyme, Capital : 1.500.000 Francs

391

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ

Grand Diplôme
d'honneur
PARIS 1881

Ivry-sur-Seine, le

12 Dec 1882

M^r A Edison 9

65 5^e Avenue
New York

Electric
Railway
Patent My dear Edison, I have now in my possession
your patent (set 36 French) for "Improvements on
Electric railways and tramways and cars therefor"
This corresponds to Continental Case 38 sent me
by Exer June 22nd 1882 and which he instructed
me to take out for France alone — I shall
send this on there if you wish it

Autographic
Telegraph
Patent } When the Company took all our
patents out of the hands of Mr
Brandon they of course had no
interest in Patent of Edison & Timney
(set 22 I think) so I told him that
he must look to New York for instructions
on it — there is no hurry about it as it
only has to be worked Nov 3 1883 but I
thought I would remind you of it

Very truly yours

Chas. B. Davenport

THE EDISON ELECTRIC LIGHT CO.
25 FIFTH AVENUE

New York, Dec 15th 1882

My dear Edison :-

Please do not forget to write to Milton F Adams and George S Anders in England; requesting from each of them a statement of all he remembers in respect to the transaction with Welch, and particularly about the giving of notes. I shall be glad to have from either of them, if he remembers it, some proof that the notes were given subsequently to the making of that agreement.

Can you also communicate with the Commercial News Department man, and see if you can learn from him the date when you were at Rochester?

Very truly yours.

J. P. Lawrence.

Thos A. Edison
65 Fifth Avenue
N. Y. City.

Mr. Edison,

I have asked Dyer to prepare the notice we spoke of to day to be served on the Brush-Swan people. Do you remember my article on the Swan lamp in the Twelfth Bulletin? I prepared it from an report made to me by Wilber on the subject.

I mention it to you now only to call it to your memory, so that you will have it in mind if you wish at any time to put your hand on a printed statement of the points involved.

S. B. Eaton

Dec. 19th. 1882.

per Mc.G.

Mr. Edison,

Mr. Betts has secured an extension of the time for taking the testimony in Weston and Freeman, in both cases still March 1st.

1883.

S. B. Eaton,

December 20th. 1882.

per Mc.G.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

22

NEW YORK, Dec 20 1882

Ludwig
Edison

Ludwig =

Can you give me the date
when you saw me at the Pacific & Atlantic
where you were handling your Pacant
Cable

Edison

address Gold Street = Tel Co

T. A. E.

If this is of importance to you
I will look it up, or as much of it
as I can trace. Think it can be found
in his letter books. He is not here any
more. anyone probably know -
my. Dec 20/82 - yours J. H. ...



Send my compliments
to Mr. Nicholson ^{67c} ^{interfering}
New York Dec. 26th 1882.
No. 10000 will be able to give data for
Mr. A. Edison Day printing & Stationery
Dear Sir:

I am in receipt of notice from
the Patent Office that your application (Case 139)
filed June 2, 1877 Electric Telegraphs, has
been placed in interference with an
application of H.C. Nicholson N^o. 65,635 filed
June 24, 1882. The interference is in
two divisions, the subject matter invol-
ved in interference A. is as follows: -

1st The combination substantially as
before set forth, of two armature levers
actuated by the main line currents, a yielding
contact lever operated by one of said armature
levers, and two local circuits controlled by
the other levers.

2nd The combination, substantially as before
set forth, of an electric magnet in the main
line circuit, two polarized armature levers
therefor, a yielding contact lever operated

by one of said armature levers and two local circuits controlled by the three levers.

Subject of interference B. is: -

"The combination substantially, as before set forth of an electro-magnet in the main line circuit, an armature lever actuated thereby, a yielding contact lever forming one terminal of a local circuit, and a fixed contact point or screw forming the other terminal of such local circuit."

The preliminary statements must be filed on or before Jan. 25. 1853.

Have you any other memoranda by which to prepare your statement, than those connected with the previous McInnes interference?

Please let me have the particulars for your statement as soon as possible.

Yours truly
Lemuel W. Serrell
Winchou

18
Nov 26. 52

FRANK L. POPE,
DANIEL W. EDGECOMB,
HOWARD S. BUTLER,

OFFICES OF
POPE, EDGECOMB & BUTLER,
[Successors of FRANK L. POPE.]

ASSOCIATED WITH
BALDWIN, HOPKINS & FRYTON,
WASHINGTON, D. C.

Solicitors of U. S. and Foreign Patents for Electrical Inventions.
Experts in all proceedings in Electrical Patent Causes.

32 Park Place New York.

Dec 27 1892

J A Edison Co
New York

Your inquiry in reference to
the date of the experiments with your
duplex on the line of the Atlantic
Pacific Telegraph Co between N.Y. & Rochester
was read during my absence, or I would
have replied sooner.

The date of the experiments was
sometime in the first half of 1870. If
for any reason it is important for
you to establish the exact date, let
me know and I will look it
up for you, as I think I have
means of fixing it within a few
days at most.

Yours,
Frank L. Pope

I am much obliged
for your favour of 27th
inst. If you can
supply me with the
exact date of the
Duplex I shall esteem
it a favour

To all to whom these Presents shall come.

BE it known that we Thomas Alva Edison, of Menlo Park in the State of New Jersey, Electrician, and Patrick Kenny, of the City and State of New York, machinist, both in the United States of America, have invented certain "Improvements in Fac-simile Telegraphs," of which the following is a specification.

The object we have in view is to produce Telegraphic apparatus; for recording at the receiving station a fac-simile of the original dispatch, which apparatus will be simple in the arrangement and construction of its parts, will be commercially efficient and economical in operation, and will require no special preparation of the original dispatch, or particular skill on the part of the operator.

In carrying out our invention, we make use of the depressions produced upon the surface of paper by marking, writing or sketching thereon with a hard lead pencil or other suitable instrument. For this purpose only slightly

more than the ordinary pressure is required upon Paper having sufficient body to retain the impressions. A slip or sheet, having the message written thereon in this manner, is mounted upon a Cylinder of insulating material (preferably of wood), its ends being secured close together in a groove or grooves of the Cylinder. The receiving sheet used in the instrument at the other end of the line may be of about the same size as the transmitting sheet and is soaked in any of the well-known solutions heretofore used in Electro-Chemical Telegraphs. This slip or sheet is secured upon a metal Cylinder, being removably fastened thereto in any suitable manner. These insulating and conducting Cylinders are mounted respectively upon the revolving spindles of the machines at the ends of the line, which spindles are preferably arranged in vertical positions and turn through metal base plates resting on insulating supports.

The spindles are revolved by Electro-motors of the Paccinotti or other pattern. Each motor is arranged with its ring armature in a horizontal position centrally below the Cylinder-carrying spindle of the machine. The axle of the motor armature has a crank arm on its upper end, to which is secured a slotted curved plate. An inclined rod carrying a centrifugal ball has a box on its lower end which slides in and is held by the slot of this curved plate. The inclined rod passes up into the collar of a universal rocking joint located centrally below the Cylinder spindle. From this universal rocking joint, the inclined rod projects a short distance upwards into a small box held by a curved slotted crank arm on the lower end of the Cylinder spindle. The Electro-motor is run by the current from a battery, Faradic generator, or other source of electrical energy, and an adjustable resistance is placed in the circuit to regulate the speed of the motor.

Click springs are at

Click springs are struck by a pin on the upper end of the inclined rod when the motor has more or less than its normal speed.

In the operation of the apparatus, it is essential that the movements of the two machines should be synchronous, or such parts thereof as effect the transmitting and receiving of the message, so that an exact copy of the original can be produced. This is accomplished in the following manner.

On the cylinder spindle of one of the machines, which we will term the "synchronistic machine," is a sleeve which is held in frictional contact therewith by spring pressure, the sleeve resting upon a shoulder or collar on the spindle and being forced down upon the same by nuts on the upper end of the spindle, which press on an intermediate spiral spring. This sleeve carries the cylinder of that machine, instead of the spindle itself, as in the other machine, which is hereinafter designated the "simple machine". Since each machine is adapted by changing the form of style and character of cylinder, which are removable parts, to be used either for transmitting or receiving, it is evident that it makes no difference which machine is provided with the cylinder-carrying sleeve. The spindle of one machine and sleeve of the other are provided near the base plate with similar cams, each having a smooth concentric surface and a single depression. On each base-plate is pivoted a horizontal I-shaped lever, the central stem of which has a projection working on the cam.

The projection on the stem of this lever is thrown into the depression of the cam by a spring, which spring is connected with the line through a switch, which we will designate for clearness, the "line-switch".

To the head of each I lever, is secured a metal plate, which is insulated from all parts of the lever except the

spring just referred to. This plate, carried by the Ist lever, plays at one end between two adjustable contacts, being closed against the inner contact by the concentric surface of the cam, and thrown against the outer contact by the spring when the projection on the stem of the I lever enters the depression of the cam. The outer contact of each machine is connected with the coils of an electro magnet, having a suitable armature, and from thence on one machine the wire runs through a battery to the ground, while, on the other machine it passes from the electro-magnet directly to the ground.

When the outer contacts of the machines are made at the same time, a circuit will be completed through the electro-magnets.

On the simple machine the armature of the magnet is used simply as a sounder, while on the "synchronistic machine" it has the additional function of making and breaking the circuit of a local battery. This local circuit energizes an electro-magnet supported by the base plate of the machine, the armature of which when attracted trips a latch engaging with a catch-arm on the cylinder-carrying sleeve before described, the latch engaging the catch and stopping the further revolution of the sleeve, until tripped, at the same moment the I lever enters the cam depression, and the relay magnet is thrown in connection with the line by the making of the outer contact.

The motor of the "synchronistic machine" is regulated to run with a slightly greater speed than that of the "simple machine," so that its Ist lever will make the outer contact and the catch-arm of the sleeve will be locked by the latch just in advance of the making of the outer contact by the "simple machine." When the outer contact is made however by the Ist lever of the "simple machine,

the line circuit will be completed through the relay magnets, and the local circuit of the "Synchronistic machine" will be closed attracting the latch armature and releasing the latch arm of the sleeve, allowing the cylinder to continue its revolving movement. In this manner the two cylinders will be made to start exactly together at each revolution, by checking one of them.

In starting the machines, the latch is withdrawn by a lever, until the "Synchronistic machine" overtakes the "Simple machine" and the two outer contacts are made simultaneously. This will be indicated by the click of the relay magnet armatures. The latch is then released immediately and checks the cylinder on the next revolution.

The slightly increased speed given one cylinder does not affect the record produced sufficiently to injure its practical value as a fac-simile; but for producing an exact copy in every respect, the cylinders used on the "Synchronistic machine" may be made slightly smaller than those of the "Simple machine."

For giving the necessary signals in starting the machines, a Morse key is placed in circuit between a contact of the "line switch," and the electro-magnet of each machine. By swinging the "line switch" on to the second contact, each machine will be cut out of circuit and the Morse key thrown in. After signals are exchanged, the "line switches" are shifted, throwing in the machines and cutting out the Morse keys.

The cylinders being revolved synchronously as described, the message is transmitted and received, by the following mechanism:

Each machine is provided with a weighted carriage, travelling vertically, and supported by a rack and pinion.

The downward drop of each carriage is regulated by an escapement, operated by a continuation of the depression in the revolving cam, into which depression takes a projection on the end of the escapement lever. The carriage is connected electrically with the base-plate, while a vertical guide near the carriage has connection with the inner contact of the I-lever, through a switch, which we term the style-switch. The base plate of each machine is connected with a switch (the "battery switch"), one contact of which is connected through a battery to the ground, while the other has a direct ground connection.

The transmitting style carries two contacts, one connected with the carriage when the style is placed in position thereon, and through it to the base-plate and "battery switch," and the other by a spring with the vertical guide and through it with the "style switch."

One of these contacts is carried by a spring having a point pressing upon the surface of the paper on the insulating cylinder. The smooth surface of the paper keeps the contacts separated, but when the point drops into the depression made by a line the contacts come together completing the circuit through the "style switch" and the inner contact of the I-lever. The receiving style is insulated from its carriage and has a spring connecting with the vertical guide. This style carries a point bearing upon the surface of the paper, and when the "style switch" is closed the current passes through the receiving style, the recording paper and the metal cylinder to the base-plate, from whence it passes to ground through the "battery switch."

When the message is completed, the operator at the transmitting station throws the style off of the cylinder by a lever. This allows the contacts of the

style to close, and a continuous line is recorded at the receiving station. This may be used as a signal that the message has been completed. The "style switch" is then thrown open and a new set of cylinders put in position.

A latch is arranged to lock the Escapement when each carriage reaches its lowest position, such latch being released by the movement of the carriage.

In order to neutralize the effect of the static charge in working long lines, and produce clear & sharp lines at the receiving instruments the plate on the head of the I-lever is extended in the form of a spring to the other end of the lever head, where it strikes a contact connected to the ground through an Electro-magnet or resistance, or both.

This ground contact is made when the inner contact at the other end of the lever is also made, and the ground contact is further retained for an instant after the inner contact is broken, so that the static charge will pass off into the ground after the battery circuit is opened by the I-lever, and will not operate the relay. This ground contact however is broken before the outer or relay contact is made by the movement of the I-lever.

The foregoing will be better understood from the drawings in which -

Figure 1, is a diagrammatic view of the circuits and connections;

Figure 2, a vertical section through the motor case, showing the motor in elevation;

Figure 3, a top view of the "synchronistic machine;"

Figure 4, an elevation of the upper part of the "synchronistic machine," the I-lever being removed for clearness and the cylinder and sleeve being in vertical section;

Figure 5, a rear elevation of the pen carriage and the mechanism for regulating its drop;

Figure 6, a top view of the magnet of the synchronous machine and the lever for controlling its armature;

Figures 7 and 8, top views respectively of the transmitting and receiving styles; and

Figure 9, an end view of one of the cylinders, showing the means for securing the paper thereto.

Like letters denote corresponding parts in all the figures.

A and B are respectively the "simple" and "synchronous" machines. Each has a base plate C, mounted on insulating supports above another plate C', which is supported upon the case C² enclosing the motor. Through the centre of plates C, C', passes the vertical metal spindle D. E is the electro-motor, situated in the bottom of case C² and preferably of the Pacinotti or Gramme pattern. It is arranged horizontally and has a slotted curved crank arm a on the upper end of its vertical spindle. The spindle D, also has a slotted curved crank arm b on its lower end, and in the slots of the arms a and b move boxes on the ends of a rod F, having a centrifugal regulating ball F' near its lower end. Near arm b, the rod F is carried by a universal rocking joint F². The motor circuit and the adjustable resistance placed therein are not shown. The click springs for indicating when the motor is running at a higher or lower rate of speed than desirable are shown at c, c'. G is the sleeve of the synchronous machine, held in frictional contact upon the spindle D, by a spring d and nut d'. This sleeve and the spindle of the simple machine have the cam depression e, (shown in dotted lines), and are provided above the same with an arm e' having a pin which holds and locates correctly either the transmitting or receiving cylinder H.

9

I is the *I*-shaped lever, pivoted on base-plate *C*. Its central stem *f* has a projection, which is thrown into the depression *e* by a spring *g*, which spring is connected to the line through the "line switch" *S'*. The metal plate *f'* on the head of lever *I* has electrical connection with *g*, and plays at one end between the adjustable outer and inner contacts *i* and *i'*, while at the other end it springs outwardly and makes contact with *j*.

The contacts *i* of the two machines are connected with the coils of electro-magnets *K*, *K'*. From *K* the wire passes through a battery *B'* to the ground, which battery may be the main battery at that end of the line.

From *K'* the wire passes directly to ground. The armature *L* acts simply as a sounder; *K'*, besides performing that function, makes and breaks the circuit of the local battery *B^o* at the synchronistic machine. It is the electro-magnet in the circuit of the local battery *B^o*. The pivoted lever, *L* carrying the armature of this magnet forces back a spring latch *L'*, which engages a catch-arm *L^o* carried by the sleeve *G*. The spring of *L'* keeps it forward in the path of *L^o* but the closing of the local circuit forces *L'* back, allowing the point of *L^o* to swing clear. The lever for withdrawing the latch *L'* is shown at *m*. It is worked by a push-rod *m'* and forces the armature against the magnet *L*, holding it there whether such magnet is energized or not.

N, *N'* are the Morse keys for signalling, placed between contacts of *S'* and the electro-magnets *K*, *K'*. The weighted carriage of each machine is designated by *N*. It slides vertically on ways rising from plate *C* as shown and has a horizontally pivoted spring block *n* upon which either style is placed, the spring throwing the style inwardly against the cylinder.

This carriage has a rack *O* projecting downwardly therefrom and engaging a pinion *e* just above plate *C*. On

the same spindle with Pinion O is an escape-wheel O' , with which engage the Pallets of an Anchor O'' . This anchor has an arm O' provided with a head which is thrown into the depression e by the anchor-spring, allowing the anchor to swing in that direction, while it is thrown in the opposite direction by the forcing of the head of arm O' out of the depression e , as the spindle revolves. Thus at every revolution of the cylinder the Escape-wheel will move Two-teeth. The Pinion e and Escape-wheel O' are supported by a pivoted lever Q , by moving which the pinion can be thrown out of gear with the rack, so that the carriage can be raised independent of the Escapement.

The Carriage has a finger p , which when it reaches its lowest position pushes a Pin p' and forces a hook-lever Q' from under a sustaining leg p'' , allowing such lever to drop and engage the arm e' of the anchor O'' , so as to prevent the head of such arm from again entering the depression e and stopping the further operation of the Escapement. The Carriage is connected electrically with the base-plate C by its ways while the vertical guide g has connection with the inner contact k through the "style switch" S . The base-plate of each machine is connected with the "battery-switch" S' : one contact of which connects with main battery, B' or B'' and the other contact has a direct ground connection.

T is the transmitting style, having two contacts, one carried by spring k , which is connected by k' with the guide g when the style is in position on the carriage, and the other by arm s , connected by spring s' with the carriage.

The spring k has a point k'' which traverses the surface of the paper and separates the contacts against the pressure of spring k , except when it drops into a depression. The contacts are shown for clearness, in

figure 7, as forced apart, the normal position when the style is removed from the carriage being the reverse.

The receiving style *V* (figure 9) has its point *Z* connected by a spring *Z'* only with the guide *g*, the current being carried off through the cylinder to the base-plate and thence to ground.

A pivoted lever *u* is used to throw either pen off of the cylinder when the message is complete. *V* represents the Electro-magnet, or resistance, or both, through which the contact *f* of each machine is connected with the ground.

In figure 7 is shown means for securing the paper upon the cylinder. This consists of a spring plate *v*, which is forced under the projecting edge of a slot in the cylinder, but any other efficient device can be used.

The binding posts numbered on the diagram (figure 1) are for the following circuits; 1. the base-plate circuit; 2 the sounder and relay circuit; 3. the compensation circuit; 4 the line circuit; 5 and 6 the style circuit; and 7 and 8 the local circuit.

What we claim is

First- The method of producing fac similes by electricity, consisting in controlling an electric current by the depressions formed by marking upon paper or other suitable material, substantially as set forth.

Second- A fac simile Telegraph having transmitting and receiving instruments, the transmitting circuit, being controlled by the depressions produced by marking upon paper or other suitable material, substantially as set forth.

Third;- In fac simile Telegraphs, the combination

12

of the transmitting and receiving instruments, of a transmitting style having circuit connections, and contacts in circuit controlled by the uneven surface of the prepared message, substantially as set forth.

Fourth.— In fac simile Telegraphs, the synchronously revolving cylinders, one carrying the message prepared by depressed lines, and the other a chemically prepared recording paper, in combination with the transmitting and receiving styles having a movement at right angles to the cylinder, — the said transmitting style having contacts in circuit controlled by the uneven surface of the message, substantially as set forth.

Fifth.— In fac simile Telegraphs, the combination with the synchronously revolving cylinders, of movable contacts, operated by the machines, for breaking the circuit when the styles are passing the secured edges of the paper, substantially as set forth.

Sixth.— In fac simile Telegraphs, the two revolving cylinders, one of which has a slightly greater speed than the other in combination with a device for checking the cylinder having the faster movement, substantially as set forth.

Seventh.— In fac simile Telegraphs, the two cylinders having slightly different speeds of revolution, in combination with a latch, operated by an electro-magnet, for checking the cylinder having the faster movement, substantially as set forth.

Eighth.— In fac simile Telegraphs the combinations of the two machines having cylinders revolving at slightly different speeds, with a device for checking the faster cylinder and contacts made simultaneously by the two

machines for operating the checking device by completing the circuit through the same, substantially as set forth.

Ninth.— In fac-simile telegraphs, the combination of the two machines having cylinders revolving at slightly different speeds, of a checking device for the faster cylinder, operated by an electro-magnet in the circuit of a local battery, and contacts made simultaneously by the two machines and completing the main circuit through an electro-magnet controlling said local circuit, substantially as set forth.

Tenth.— In fac-simile telegraphs, the combination of the cylinders and the electro-magnetic checking device controlled by the main circuit, of sounders for indicating the synchronism of the cylinders, substantially as set forth.

Eleventh.— In fac-simile telegraphs, the combination of the cylinders and the electro-magnetic checking device of sounders for indicating the synchronism of the cylinders, signalling keys placed between the sounders and line in shunts around the machines, and switches for throwing in and out the machines and keys alternately, whereby the sounders will be operated by the machines or keys according to the position of the switches, substantially as set forth.

Twelfth.— In fac-simile telegraphs, the combination of the two machines having cylinders revolving at different speeds, and an electro-magnetic checking device for one of them, with a pivoted lever on each machine, connected to lines and two contacts, between which said lever plays, one connected through the style circuit to

111.

battery or ground, and the other through the relay and sounder circuit, such lever being moved once during each revolution of each cylinder to break the style circuit and make the relay and sounder circuit, substantially as set forth.

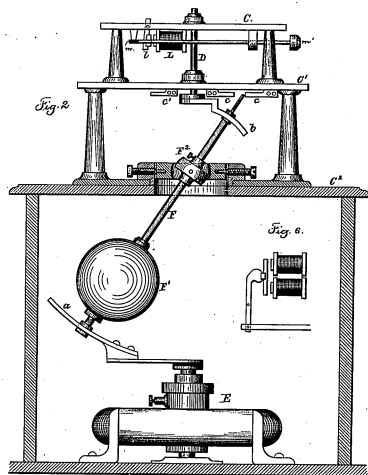
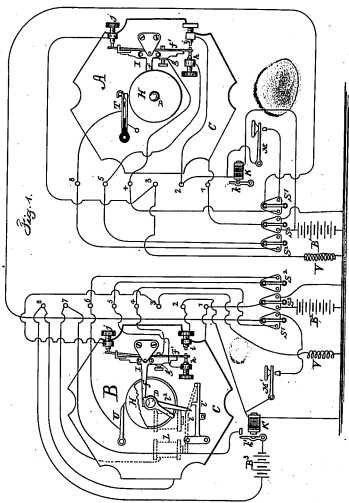
Thirteenth. - In fac-simile telegraphs, the combination with the synchronously-revolving cylinders and the transmitting and receiving styles, of the compensation circuit for neutralizing the effect of the static charge, substantially as set forth.

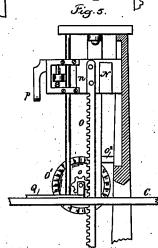
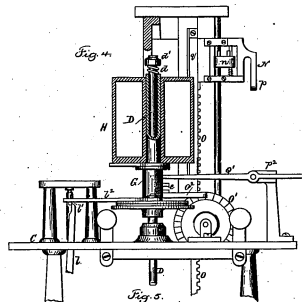
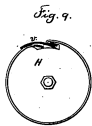
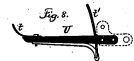
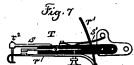
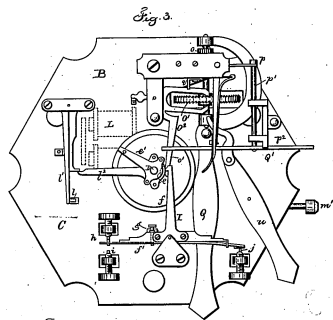
Fourteenth. - In fac-simile telegraphs, the combination with the synchronously-revolving cylinders and the transmitting and receiving styles, of cams, revolving with the cylinders, pivoted levers worked by said cams and connected to line and making contacts for completing the "style," the "sounder" and the "Compensation" circuits, substantially as set forth.

Fifteenth. - In fac-simile telegraphs, the combination with the revolving cylinders, of the revolving cam, and the style carriages controlled by escapements worked by said cam, substantially as set forth.

Sixteenth. - In fac-simile telegraphs, the combination of the electro-motors, with weighted centrifugal arms carried by universal rocking joints and connecting the motors with the driven mechanisms, substantially as set forth.

Seventeenth. - In fac-simile telegraphs, the combination of the horizontal electro-motors, with the weighted centrifugal arms carried by universal rocking joints and the slotted cranks, substantially as set forth.





The Madame That feature
is not in any U.S. Case.

I can't see what objection
there is to its going as it is in
the proof.

The object is simply to
show that Edison has indis-
putable legal proof of the
invention antedating the
earliest legal date of issue
in this country, and for
that purpose the Citation
of the Canadian Patent (being
evidence) is just as good
as a U.S. Patent and is no

more. Truly yrs
J. P. Miller

Wm P. Soley, Electrician
was Maxims draughtsman
- has been with him some
time, told Mr Russell our
Solicitor that Maxims
lamp was a clean steal
from Edison.

He is now with
Chas Steppard Otis
dealer 242 Water St
NY

1882. Railroad - Electric (D-82-009)

This folder contains correspondence, agreements, articles of association, and other documents relating to Edison's development of electric traction for railroads. Some of the correspondence deals with the experimental electric railroad at Menlo Park, New Jersey. Other documents concern Henry Villard's financial backing of Edison's experiments. Related material can be found in Scrapbook, Cat. 2174 (Miscellaneous Scrapbook Series).

All the documents have been filmed.

SEYMOUR & WHITLOCK,
Consulting Engineers
AND
MFRS OF MACHINERY.

43 Lawrence St.
Newark, N. J. Feb 13th 1882

Howd A. Edison Esq
Morris Park

Dear Sir

I am unable
to fully understand from
your description whether the
cast Iron Chair is to be a
fit under the head of the
rail. I have my ideas about
it but as they may differ
from yours, I think it would
be well for some one to come,
or send a sketch as to how
you wish it made. As the
explanation is not clear enough
I would advise as above.

The explanation about
the spike hole is clear, what
I want is to know whether
or you want it to fit

under the head and
not knowing the depth
of wheel flange I am
unable to determine
what allowance to make,

While I am sorry
to cause any delay, yet
I feel it advisable, that
it will be better to wait
until I hear from you

Very truly Yours

J. M. Seymour

copy
received
July 13 1855
W. Seymour

IRON & STEEL
MERCHANTS
P. O. BOX 2197

New York,

24 BROADWAY

Feb 15th 1882

Your Postal this date with
reference to bolts rec^d please
let us know how many bolts
you wish to return, and send
us four with nuts complete so
we can see if they fit some plates
here, then we will let you know
To J. P. Edison Esq. J. M. Smith Esq.

IRON & STEEL
MERCHANTS
P. O. BOX 2197

New York,

24 BROADWAY

Feb 24th 1882

The 24 bolts sent by
express rec^d & most are good
very much to say that of your
I've cut off the side of the
head, they are rendered unusable,
and we will not be able to
take them back, however, come the
time we may have and advise and we
will send them on and try to get them
To J. P. Edison Esq. J. M. Smith Esq.

This memorandum of Agreement made the 2nd day of March 1892, between the Oregon and Trans-Continental Company of the one part, and Thomas Alva Edison of the other part,

WITNESSETH:

The party of the first part having with reference to an agreement made between Henry Villard and said Edison relating to an experimental Electric Railway dated September 14th. 1881, loaned to Edison the sum of Twelve Thousand Dollars, and Edison having against such loan deposited as collateral security therefor One hundred shares of the stock of the Edison Electric Light Company:

Now in consideration of the premises and of one dollar to each of the parties hereto paid by the other, the receipt of which they respectively acknowledge, it is mutually agreed between them as follows: That said shares are deposited by Edison and are to be held by the Oregon and Trans-Continental Company only as security for the payment of said sum of Twelve thousand Dollars; and if at any time before or on July 2nd. 1892, the said Edison shall pay or be caused to be paid to the said Oregon and Trans-Continental Company said sum of Twelve thousand Dollars, then the said Oregon and Trans-Continental Company will thereupon surrender said One hundred shares to him or his assigns, and meantime will hold them untransferred, and with all rights of Edison therein, except

except as they are such collateral security as aforesaid, unimpaired. But if at any time on or before said July 2nd. 1882, the experiments referred to in said agreement of September 14th. 1881, shall have proved successful and shall have been certified as successful by the Engineer of the said Henry Villard in accordance with the said Agreement of September 14th. 1881; then if Edison shall so elect, said sum of Twelve thousand Dollars shall be deemed to have been a payment as of this date to him in virtue of said agreement of September 14th. 1881, and on his giving sufficient acquittance for such payment, the Oregon and Trans-Continental Company will thereupon surrender to him said One hundred shares with all his rights therein saved meantime as aforesaid.

In Witness Whereof the parties hereto have set their hands and seals the day and year first above written.

In presence of)

Saul Jessell

Geo. W. Laper.

Thomas A. Edison

Oregon & Transcontinental Company

By H. K. Loomis,
Pres.

[ATTACHMENT]

Electric Railway

1882-07-01

New York July 1 1882
Received from Thomas A. Edison
Twelve thousand two hundred and forty dollars
\$12,240.

Oregon and Transcontinental Company.

By: *Arthur Thomas*
General Agent

Blank No. 1
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Federal Communications Commission. It is not responsible for messages sent by the sender in violation of the laws of the United States or any State, Territory, or Possession, or for any loss or damage to property or for any delay in the delivery of telegrams or other communications transmitted hereon.

A. H. BREWER, Sec'y. 390 NORVIN GREENE, Pres.

Dated *March 28th 1918*

Received at **791 BROADWAY.** *March 27*

Chas. P. Smith
 65-3 Avenue

READ THE NOTICE AT THE TOP.

Important go to Hoffman
 House see Sears or
 Hayes tell them to
 come out tomorrow
 as locomotives will not
 be running

S. Insull

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
 WHERE ANY REPLY SHOULD BE SENT.
 Direct Wires.

Blank No. 2
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Federal Communications Commission. It is not responsible for messages sent by the sender in violation of the laws of the United States or any State, Territory, or Possession, or for any loss or damage to property or for any delay in the delivery of telegrams or other communications transmitted hereon.

A. H. BREWER, Sec'y. NORVIN GREENE, Pres.

Dated *March 28th 1918*

Received at **791 BROADWAY.** *March 28*

Chas. P. Smith 65-3 Ave

READ THE NOTICE AT THE TOP.

*Must see Sears &
 Hayes tell them come
 out at once Locomotives
 running wire result
 Insull*

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
 WHERE ANY REPLY SHOULD BE SENT.
 Direct Wires.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been inserted in by the sender of the following messages. Drivers can be held liable only by returning a message back to the sender for correction, and the sender will not hold itself liable for errors or delays in transmission or delivery of telegraphed messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not proceeded in writing within sixty days after sending the message.

This is an ENCRYPTED MESSAGE, and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
1	073	NO	collect
Received at <u>W.H. 1150 am</u> <u>Mar 31st</u> 1882.			
Dated <u>New York</u>			
To <u>Chas D. Hughes</u>			
<u>Can you send</u>			
<u>the Railroad tomorrow</u>			
<u>Inuall</u>			

RECEIVED
APR 14 1882
ANSWERED

Mr. Edison 188...

Mr. Batchelor writes to ask
if the Patent for the Electric Railway
taken in France March 1881, No
141,752 - belongs to the Co. Continental
Edison - Will you please advise me
on this point.

S. B. Eaton

April 13, 1882



PIERSON & COMPANY,

ESTABLISHED 1790.

Iron and Steel and General Commission Merchants,

24 BROADWAY, AND 77 & 79 NEW STREET,

New York, April 17th 1882

J. A. Edison Esq.
Menlo Park N. J.
Dear Sir

Spike Factory promised us 3^d that they would make and ship the 5 kegs 3¹/₂ x 3³/₈ R. Road spike on or before the 8th, and we are surprised to hear you have not got them we will send telegraph and find out why not shipped and send them from some source as soon as we get telegraphic reply.

Very Truly Yours
Wilson & Co.

Since writing about we are telegraphed that your spike are shipped from factory and they should be with you now.

The Jersey City Wheel Foundry and Machine Works,



CHILLED AND STEEL-TIRED CAR WHEELS.

P. O. Box 129,

NEW YORK OFFICE,
84 Broadway,
Room 23.

Jersey City, N. J. ^W April 19, 1888

Thomas A. Edison Esq.,
Menlo Park

Dear Sir,

Enclosed please find
to pl. covering nine (9) Road Heads
and forging complete, shipped
you today via Penn. R. R.
to Menlo Park. We will ship
the remaining ten (10) in a
few days.

Very truly yours
Geo. H. Thomas
Secy.

T. A. EDISON,

Menlo Park, N. J., April 26, 1888

Sam'l. Linsell Esq.

Dear Sir

Please let me
know as soon as possible
who ordered the Benis gear
journals and what they are
for as we don't know any-
thing about them.

Very truly
John S. Randolph

This is for you now
being made at Philadelphia
Open a fresh eye for
this call the ^a ^a
Electric Passenger Car

DIRECT COMMUNICATIONS TO
T. B. A. DAVID, GENERAL AGENT.

OHIO AGENCY
FOR THE
EDISON ELECTRIC LIGHT.
NO. 49 EAST STATE STREET.

Columbus, Ohio, May 5th 1882

Acad. 11/11/1882
The Edison Co.
New York City -

Dear Sir -

Over

W. W. Kelley, the inventor of
a single rail elevated railway, wants me to
get some information from you - He says you know
all about his invention, and that he would like
to see your Electrical engine about two years ago -
He is about to build a short, 3 to 4 miles long
nearly level, leading to some points outside of
Columbus - He can lease (too large) rooms
with steam power, and wants me to ask, as
he puts it the following - "How many horse power
will it take to generate electricity to run your
" engine, and how many 3 to 4 (6) cars that will
" weigh 4 tons each, and seat 50 passengers
" in each car - The probable cost Electrical
" engine, & how soon one or more could
" be furnished" - Please give him the
information definitely as soon as possible -
He is quite taken with the idea of using your
engine, and doubtless would be a very
desirable party to introduce it, as coupled

DIRECT COMMUNICATIONS TO
T. D. A. DAVID, GENERAL AGENT.

OHIO AGENCY
FOR THE
EDISON ELECTRIC LIGHT,
NO. 42 EAST STATE STREET.

(2) Edison Columbus, Ohio, May 5th 1882

with the introduction of his own invention,
he would, aside from his interest in cars,
be an very careful experimenter -

Yours truly,

J. D. A. David

We have one loco here that ^{can} pull 4 cars
30 people each 20 miles hour requires
about 15 h.p. - nearly enough
single car with motor underneath
30 passengers 12 miles hour 4
horse power better is best thing
single car tram plenty of them
better than few tram man
carry over 3 mile road
running splendidly now

Blank No. 1.

May 11

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message, and the sending station for completion, transmission or delivery of Unrepeated Messages, beyond the amount of time paid thereon, for its use unless the same is set out in writing within sixty days after sending the message.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. R. BREWER, Secy. NORVIN GREEN, President.

Dated Philada Pa 11 188 2

Received at Mundo Park Depot

To Wm A Edison

READ THE NOTICE AT THE TOP.

Can I see you at Mundo
Park eight AM tomorrow
about Fairmount Park
Railroad, if agreeable
Answer immediately
at Grand House
P B Shaw

2 opaid
Answered ²/₂ 7:38 pm
McCauley will see
you here about
nine o'clock tomorrow

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. BOKERT, General Manager. NORVIN GREEN, President.

NUMBER 2 SENT BY R. I. Red REC'D BY H. Paid CHECK

Received at Wk 320 P.M. May 13th 1882.

Dated New York

To Prof Wm A. Edison

Open myself want to see you
and the Railroad will you be at
Mundo Monday answer to Park
House Newark
answered
Frank Mr. Laughlin

VICE-PRESIDENT'S OFFICE.

MANHATTAN RAILWAY COMPANY,

No. 71 Broadway

New York, May 17th 1882

Called not may 17

Thos. A. Edison Esq
No 60, 10th Ave. City.

Dear Sir,

The last time I had the pleasure of seeing you at 60, 10th Ave. you told me that your "right of way" and Engine was about completed at Meads Park.

Will you please let me know when it will be convenient for you to give us an exhibition of your Engine. We greatly desire to see it practically tested.

Very Truly Yours
A. M. Callaway
Vice Pres

P. R. Rec. 1880

T. A. EDISON,

Telegram

Menlo Park, N. J., May 18 1880.

^r
NY 18 T. A. Edison

Can't go in next week
when do you try it again?

11 Paris

• Geo M Hopkins
Scientific American,

Postpone one week if possible,
we are running it thirty miles
per hour. mostly passengers,
come over -

Edison -

18 Collect
of Ho^{#15}

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assented to by the holder of the following message. Errors can be corrected only by repeating a message back to the sending station for retransmission, and the company will not hold itself liable for errors in delay in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending of the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. ECKHART, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECEIVED BY	CHECK
100	Ma B S		18 Paid
Received at	W. H. 5:20 P.M.		May 22 nd 1882
Despatch	Phil		
To	J. K. Edison		
	Mend Park N.Y.		
	Dear Mr Hughes and Mr Tomson		
	I am writing you want Estimate on		
	Sea Shore Avenue quick by		
	W. B. Shaw		
	Grand Home		

The Jersey City Wheel Foundry and Machine Works,

47.55
Mach. Works



CHILLED AND STEEL-TIRED CAR WHEELS.

P. O. Box 129,

NEW YORK OFFICE:
64 Broadway,
ROOM 53.

Jersey City, N. J. May 22^d 1882

Thos. A. Edison Esq.

Mt. Pleasant

Dear Sir.

N. J.

Enclosed please find
invoice covering 20 pair wheels on
axles, Pedestals, 7 Bopes and 7 Braces
and Pedestal Braces, Springs.
Also 20 Draw Heads, Springs
and Springs complete. Shipped
to Mt. Pleasant N. J. via R.R. R.
The 6 Split Keys were shipped
to you today via Dodd & Chiecin
Exp.

Very truly yours
Geo. C. Thomas
Secy.

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been agreed to by the sender of the following message

Message can be changed or recalled only by sending a message back to the sending station for correction, and the Com-
pany will not be liable for errors in transmission or delivery of telegraphic messages. Messages are transmitted
subject to the same conditions.

A. B. BREWER, Secy.

W. G. GREEN, President.

4 New York, N.Y. 1882

Received of
Mr. T. A. Edison

READ THE NOTICE AT THE TOP.

Doctor Sitwiler friend
of Shaw goes to Mt. Pleasant
at two to see railway
please let Hughes show
it

S. B. Eaton

18 Pd to you
220 p.m.

Please address reply
to the undersigned.

New York, June 5th 1882.

J. F. Edison, Esq.,

Manor Park, N. Y.

Dear Sir,

Enclosed you will
find the bill for body of car
which J. G. Brill and Co have
made for you.

They sent it to me in a
letter, not knowing your address,
and apologizing for the delay in
finishing the car.

It will be out to Manor Park
Thursday, as Crake has promised
me the drawings of details of their
standard engine tomorrow.

Respectfully Yours,

H. C. Schaffner

Of report Rec June 12th 1882
Chas. J. Hughes Esq.

Dear Sir,

Your letter and estimate of 9th inst. duly
received. Accept thanks of

Yours very truly
P. B. Shaw

OFFICE OF

Edison Machine Works,

104 Goerck Street,

New York, June 15th 1882

S. A. Edison
Muelbark N.J.

Dear Sir!

Please let me
know what you intend to do
in regard to the small iron
forgings for the railroad, oblige

Yours Truly,

W L Dean

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting the liability, which have been assumed to by the sender of the following message, and may not be printed against only by repeating a message back to the sending station for comparison, and the company will not hold itself liable for errors or delays in the transmission or delivery of Unrepeated Messages, beyond the amount of cash paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. EOKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
5	Wm	E	21 Paid

Received at Menlo Park DepotDated New York 15To Mrs A EdisonJune 15 1882

Please telegraph me at once
if I can bring some gentlemen
by the two o'clock train to ride on
the railroad.

Biedermann

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. EOKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
3	Wm	E	17 Paid

Received at Menlo Park DepotDated New York 19To Mrs A Edison6/19 1882

M. Harsmeyer signs the contract

himself and coming with four
theater train

Biedermann

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by the sender of the following message, and is guaranteed against only by specific arrangements made at the sending station for compensation, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of such paid thereon, nor in any case where the same is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. SPOKER, General Manager.

NORVIN GREEN, President.

NUMBER 9	GROUP BY BL	REPEATED BY E	CLASS 20 Paid	CHECK 5:45 pm
-------------	----------------	------------------	------------------	------------------

Received at Menlo Park Depot

Dated New York 6/20
To Thomas Edison

Menlo Park N.J.

Could come this afternoon with
~~come~~ tomorrow with two train
 Please get everything ready, postcard
 arrangements and applications for patents
 Beidermann

Please address reply
to the undersigned.

New York, *June 23^d 1882.*

T. Edison Esq.

Dear Sir,

The bearer
of this, Mr. Peter, brings with
him the blue prints you telegraphed
for yesterday. If you wish any
of the details of the passenger
locs, please let me know by
bearer and oblige.

Yours Respectfully
Ed. Schaffer

J. F. BALLEW, Pres't.
THOS. THOMAS, Treas. and Gen. Agt.

OFFICE OF

Geo. C. THOMAS, Sec'y.
JAS. BARTON, Sup't.

The Jersey City Wheel Foundry and Machine Works,



CHILLED AND STEEL-TIRED CAR WHEELS.

P. O. Box 129,

NEW YORK OFFICE,
129 Broadway,
Room 31.

Jersey City, N. J. June 23^d 1882

*T. Edison Esq.
Manhattan Park N. J.
Dear Sir*

The wheels of your
Car are fixed & hit the train?
N. J. will not receive them
today. We'll do all we can
tomorrow to get them off.
The strike of the freight hand-
lers is the cause of this.

Very truly yours
*Richard Thomas
Pres't.*

J. F. BAILEY, Pres't.
THOMAS THOMAS, Sec'y & Treas't.

OFFICE OF

Geo. C. THOMAS, Sec'y.
JAE. DAVIES, Supt.

The Jersey City Wheel Foundry and Machine Works,



CHILLED AND STEEL-TIRED CAR WHEELS.

P. O. Box 129,

NEW YORK OFFICE,
48 FINE STREET,
ROOM 12.

Jersey City, N. J. June 29th 1882

A. A. Edison Esq,
Munlo Park
Reading, N. J.

Confirming our 7th of
June date we will furnish
2000 of the small flange
at each end. at Munlo
Park, at rate of 3000 per
week. We think we can
get them ~~and~~ ^{made} somewhat
faster than this.

Very truly yours
Thomas Thomas
Treas.

[FROM P. B. SHAW]

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting the liability, which have been accepted by the sender of the following message. It is not to be used as a receipt for the payment of a message until the receipt is obtained for the message. The company will not hold itself liable for errors or delays in transmission. THIS IS A UNREPLACED MESSAGE and is delivered by request of the sender, under the conditions stated above.

THOS. T. ROCKWELL, General Manager

NORVIN GREEN, President

NUMBER	SENT BY	RECV BY	CHECK
5	WU	E	9 Paid
Received at	New York Depot 6/28 2:45 pm 1882		
Dated	New York 28		
To	Edison N.Y.		
We will arrive New York three o'clock this Pm			
P. B. Shaw			

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELAYS no messages on any condition limiting its liability, and has been appointed by the order of the following names. Messages are received and sent only by receiving a message book, and the sender of a message must pay for the same in advance. Messages are transmitted by day, night, or otherwise, and the sender of a message must pay for the same in advance. Messages are transmitted by day, night, or otherwise, and the sender of a message must pay for the same in advance. Messages are transmitted by day, night, or otherwise, and the sender of a message must pay for the same in advance.

THOS. T. KICKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	REMARKS
1	Wm	C	28 Paid Rate

Received at Merulo Park Depot 6/28 of 1885

Dated Monday June 27 1885

To Ed Edison

Party gentlemen from Cincinnati and
 Balto desire to meet you and ride on
 electric road if agreeable will advise at
 7 o'clock answer sixty for
 Ed Edison
 Shaw

J. G. BRILL,
GEO. W. BRILL,
JAMES RAWLE.

Office of J. G. BRILL & CO.
CAR BUILDERS,
Thirty-first and Chestnut Sts.

Philadelphia, 6/30/87 1887

J. A. Edison Esq
Merlo Park N. J.

Dear Sir

We cant understand why you pay no attention to our telegrams. If we hadnt needed the money we certainly should not have telegraphed you. It is very careless of you as we put ourselves to great inconvenience to accommodate ^{you} in placing your order ahead on our list at least several months.

Awaiting your reply
Yours Truly
J. G. Brill & Co

*Write from
New E's Office*

CUTLER HOUSE

D. GUTLER.

OWNER
AND
PROPRIETOR.



JOE. H. SPIRES.

MANAGER.

Grand Haven, Mich. JULY 5th 1891

DEAR SIR-

YOU WILL REMEMBER THAT IN JANUARY 1891, I CALLED ON YOU AT ENLO PARK WITH A LETTER OF INTRODUCTION FROM MR. ALLAN CAMPBELL COMPTROLLER OF NEW YORK, AS I ALSO RECOLLECT YOUR KINDNESS THEN SHOWN ME ~~HERE~~, AND AFTERWARDS IN SENDING SOME OF THE COUSON LAMPS TO ME AT GRAND HAVEN.

I NOW WRITE TO SAY THAT I HAVE JUST RETURNED FROM MINNEAPOLIS MINN. WHILE THERE COL. MC. CRODY THE PRES. AND OWNER OF THE MINNEAPOLIS LINDALE, AND WINNETONKA RAILWAY, RUNNING 20 MILES FROM MINNEAPOLIS TO LAKE WINNETONKA, AND DOING AN EVENING BUSINESS - ASKED MY ADVICE WITH REGARD TO ADOPTING AN ELECTRIC MOTOR FOR HIS ROAD.

THE CITY COUNCIL HAVE DECIDED THAT AFTER A VERY LIMITED TIME THE ROAD MUST DISCONTINUE THE USE OF STEAM THROUGH THE CITY, AND MY SUGGESTION TO HIM WAS TO USE AN ELECTRIC MOTOR ON YOUR PRINCIPLE UNTIL HE REACHES THE CITY LIMITS, AND THEN TO CONNECT WITH THE STEAM MOTOR.

AFTER BEING SEVERAL DAYS IN MINNEAPOLIS THE COL. INFORMED ME THAT HE HAD DECIDED TO ADOPT THAT PLAN IF IT COULD BE DONE REASONABLY, AND HE ASKED ME TO WRITE TO YOU, AND ASK WHETHER YOU FELT ANY INTEREST IN SEEING A ROAD ESTABLISHED, AS I HAD TOLD HIM THAT I THOUGHT YOU WOULD BE WILLING TO FAVOR HIM A LITTLE FOR THE SAKE OF SEEING A ROAD ESTABLISHED.

I WISH YOU WOULD DRAW A LINE EITHER TO HIM,

29

July 5

OR TO ME, AND SAY HOW YOU FEEL ABOUT THE MATTER.
IF CONVENIENT PLEASE WRITE AT ONCE, AS THE COL.
HAS VERY LITTLE TIME ALLOTTED HIM.
RESPECTFULLY YOURS,

W. C. BAKER, JR.

P. S.

THE ADDRESS IS COL. W. C. CROBY.

MINNEAPOLIS,
MINN.

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER 3	SENT BY W E	RECD BY Paul	CHECK
-------------	----------------	-----------------	-------

Received at: Menlo Park Depot 7/6 / 1888

Dated, N.Y. 6
To, J. Edison

This railroad run today
 Edison
 L. B. Eaton
 And by Hoopla

J. G. BRILL,
GEO. M. BRILL,
JAMES RAWLE

Office of J. G. BRILL & CO.
CAR BUILDERS,
Thirty-first and Chestnut Sts.

Philadelphia, 7/21/82 1882

B. P. Matt Esq.

Merulo Park - New Jersey

Dear Sir:

Referring to yours of
the 7th inst.

The 10 days
have gone by and we are
still without Mr Edison's
check for our acct. Please
send it at once

Not knowing which
one of you we can reach
we write to Mr Edison, Mr
Schaeffer & yourself

Yours Truly
J. G. Brill & Co

J. G. BRILL,
GEO. M. BRILL,
JAMES RAWLE

Office of J. G. BRILL & CO.
CAR BUILDERS,
Thirty-first and Chestnut Sts.

Philadelphia, 7/21/82 1882

J. A. Edison Esq

Merulo Park - New Jersey

Dear Sir:

We are still without
check for our acct. -
Mr B. P. Matt wrote us on
the 7th inst. that you were
away and would be gone
for 10 days longer and
on your return he would
call your attention to our
matter, but as yet we have
nothing from you
The car was sold for cash
which with us means an
delay. And we must
have settlement at once

Yours Truly
J. G. Brill & Co.
We have written to you, Mr Matt & Mr S
Not knowing which one of you we can reach

J. G. BRILL,
SECY. M. BRILL,
JAMES RAWLE.

Office of J. G. BRILL & CO.
CAR BUILDERS,

Thirty-first and Chestnut Sts.

Philadelphia, July 27 1882

Thos. A. Edison Esq
Menlo Park - N. J.

Dear Sir

We beg to acknowledge
receipt of your favor of even date
covering Cheque to our order
of amount of Eight hundred &
twenty five dollars, in payment
for one Car body -

Thanking you we are

Yours truly
J. G. Brill & Co.

[TO SAMUEL INSULL?]

MS
THE WINDSOR HOTEL
315 5TH AVENUE NEW YORK
MAY 26 1882

Ans'd
MS
I could have Engine
made sooner but
cannot spare any men until
all the experiments July 2 of 82
Railway have been
Completed about could be
about 2 to 3 months.
Had expected to see Mr. Nelson
in town but presume it is too hot -
Mr. May I visited your road
at North Park & you thought in two
or three months you would be better
prepared to say what you could do
about introducing it upon our road
at Minneapolis Minnesota -

If you are now ready to
sell an Engine or Motor let us hear
from you - The grade is 2 ft on 100
for 1500 ft - rest not to exceed 60' per mile -
distance we want to run 1 1/2 miles -
our present Cars seat 40 persons & we
have two or three to each Motor -

I have done to Minneapolis
Minnesota as I leave for home today -
Respectfully yours
Robert S. Soney

James Cooke, Prop.

John L. Cooke, Sec. (Pat. of Mach. & Stamp)

Wm. B. Bunker, Sup. of Mach.

COOKE
Wagon, Cart and Machine Company
Manufacturers of
Machinery adapted to every variety of service; also Cotton and Silk Machinery.
New York Office: 115 Broadway, St. Hillman, Bldg.

Albion, N. Y., July 29 1882

L. Forsh, M. E.
Minto Park, N. Y.
Dear Sir

Yours yesterday's date received.
We will furnish all the parts
as shown on your tracing, if
furnished with the order, and will
mail you detailed drawings in a
few days.

Could probably complete the
order in about thirty days from
its receipt.

Yours Respy
Wm. Bunker

James Cooke, Patent

John S. Cooke, The Best of Steel, Among

Wm. Brewster, Boy of Iron

COOKE

Wagon, Road and Mine, Carriage

formerly Dunsford, Wagon and Machine Company

Locomotive Engines adapted to every variety of service, also Cotton and Silk Machinery

New York Office
117 Broadway
H. W. Allen, Agt.

Patented in Illinois, N. Y., Aug. 4 1882

Edison Electric Light Co.
Fifth Ave. New York
Gentlemen

We requested you send your details of
frame re for your proposed engine
hoping to receive from you the order to
proceed with its construction

We remain yours respectfully
John S. Cooke

29

New York Aug 10. 82
Offices
S. A. Edison & Co
Menlo Park N.J.

Dear Sir:

If you have patented for
England or Europe Bessers
electric Locomotive and
now wish to sell the patent
for England, I would be
pleased to hear from you
as I can sell it out there

Respectfully
Yours

L. Geldner
113 Nassau

~~Inform~~ my arrangements
for the sale of my
E. R. for England had
already been made

Subject _____

GEORGE S. LADD, PRESIDENT
AND WHITE, SEELY AND TRIMBLE

OFFICE OF THE
PACIFIC BELL TELEPHONE CO.
700 SANSOME ST.

H. GREENWOOD, VICE PRESIDENT
J. H. I. GARDIN, SUPERINTENDENT

*Accepted for mailing
at special rate of postage
provided for by Act of
October 3rd 1917*

San Francisco, Aug 13 1882

In reply to yours _____
No _____

My Dear Mr. Edison =

Your suggestion it will be of some use to write you on the Electrical R.R. business, seems doubtful, but the opportunity for an introduction here seems so favorable, with advantageous features which will so rarely occur in combination, that it seems a grievous sin to miss the opportunity =

The Market St (street R.R.) of this city is three ^{or} a half miles in length, from the ferry landing to the street terminus, and is almost a dead level throughout the whole distance - simply the lightest possible drainage grade, which changes three or four times on the route. ^{It is very}

= During the summer months there is no rain in San Fran and throughout the year no ice or snow to ever impede the working of an Electrical road = The Market Street Company are now changing their road from a horse road to a cable road and have now about four hundred feet of ~~cable~~ ^{cable} trestles laid through which the cable will run

Subject _____

GEO. S. LADD, PRESIDENT.
AND, WHITE, GIBBY AND TRASK.

OFFICE OF THE
PACIFIC BELL TELEPHONE CO.
N° 222 SANSOME ST.

M. GREENWOOD, VICE PRESIDENT.
JNO. I. SMOH, SUPERINTENDENT.

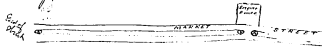
San Francisco,

In reply to yours

1888

M

It seems to me as if the percentage of power which could be communicated through two cables, each 3 1/2 miles long, should surely be equalled in point of economy by 2 dynamos - the cables will be paid in full. =



The Central Pacific R.R. people on this road - have an unlimited amount of capital and I think would take some pride in introducing the first Electrical Road in America. In any case the advantages are so great in this case, it seems wrong to neglect it. If you will send me some data on the subject I would like to work it up - I am sure if they seem favorably impressed with the plan, the details could be worked up subsequently = Have the business to supply Article

- Louis Glass -

222 Mission Street, San Francisco

OFFICE OF
Edison Machine Works,
104 Goerck Street,

New York,

Aug 18th 1882

J. A. Edison
Newark, N.J.
Dear Sir,

Please inform
me how you want the Locomotive
Coal, I would, that you sent
here. ~~obliga~~

Yours Respectfully

L. L. Dean

Ask Clark
Mr. Edison determined
this Chla

Menlo Park, N. J., 22nd Aug 1882

Chas F. Clarke Esq
65 Fifth Ave
New York

Dear Sir: Please reply
to enclosed letter from
Mr Dean & Bliss

Yours truly
Samuel Insull

Mr. Edison's
necessary information
Chas

ALL COMMUNICATIONS TO BE ADDRESSED TO THE COMPANY NOT TO INDIVIDUALS.

The North Metropolitan Tramways Company,
 62, Finsbury Pavement, E.C.

London 31 Aug 1882

IN REPLY PLEASE ADDRESS
 "THE SECRETARY"

Dear Sir

I should be greatly
 obliged for any information
 you would send me respecting
 your Eastern Railway and
 mineral I am told in
 Brents Park especially any
 points bearing on the feasibility
 of the application of the system
 to these ~~trams~~ ~~ways~~.

I am dear Sir

Yours faithfully

Wm. Edwards Esq

an assistant secretary

Thomas Alva Edison Esq.
 Brents Park
 New Forest, Hants.

The RR road is on right
in London in four months

[Faint, mostly illegible handwritten text, possibly a list or notes]

ms
10/21

J. A. Sullivan & Co.
BANKERS AND BROKERS,
408 Montgomery Street.

San Francisco, *30 Sept* 1882

Mr C. Edison Esq.
Manhattan

Dear Sir
The Omnibus R.R. Co of this City (a Street
RR) run by horses now, intend to construct a
cable, or if practicable to run their cars by
stored electricity

I have been requested by the Co to address you
and find out

- 1st Have you applied stored electricity for the
purpose of locomotion?
 - 2^d Do you know of any R.R. run by stored electricity
- You would oblige the Co by letting me know
in detail everything referring to above, as it may
lead to a practical test.

Very Respectfully
Gustav Peters
Director C. RR & C. Co

Oct 21 1882

Mr. Russell.

Will you please
tell Mr. Edwin that
we lack 15,000 ft of No 10
copper wire to complete
the track, and that what
they have at the Lamp
Factory was spoiled by
burning the insulation
off, and is too brittle
for my use. If he does
not track the lights
any more at Wells
we can get about

8,000 ft by taking
down the conductors
from the shop to his
house. I thought I
would not stay
in tonight and track
to be in Wells early
in the AM. Please
let me know what
what he says and does
about the wire
yours
Hughes

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK

10th Oct 1882

John P. Randolph
Menlo Park
N. J.

Please send me by
express all photographs
of the rail road that
you may have on hand

Yours truly
Saml Insull

Recd

THOMAS A. EDISON,
MENLO PARK, N. J.

Oct 11 1882

Mr. J. N. Dixie

I am still short
of No. 10 wire. There are
two old dynamo magnets
marked with No. 10. Can I
use the wire from them.

Yours Truly
Chas. F. Hughes

Oct. 14th 1882.

Wm. A. Edison

65 7th Ave.

New York City

"Dear Sir"

Yours of the 10th at hand & content noted; I shall be pleased to hear from you as you proceed with your experiments on the "Electric Motor" when our Yankee nation want anything they want it bad; and hence they never carry any stock of patience.

I see that "Mr. Siemens" made a statement in London a few days ago that 6 lbs of coal in generating steam would not produce as much power as, 5 lbs would with electricity.

This would look like putting the creature ahead of the creator; but, the wonders that have been produced in electricity during the past 5 years would almost justify us to expect anything; The demand for this new power is so great that I live with hopes of great results at no distant day.

Yours Truly,
Wm. A. Edison Pres.

OFFICE OF
Edison Machine Works.

104 Goerck Street,

New York, Oct 19th 1882

Mr. J. H. Edison
Star Forge

Armature of the
Car Motor of 110
Volts will make about
700 Revolutions and
from a 17" Pulley to a
24" will make the driving
wheels revolve 350, or
always 30 miles per hour,
and I am afraid it
will not do it.

Then
I think that the clutch
is too delicate to stand
the strain of suddenly
throwing it into gear
with the fly wheel moving

OFFICE OF
Edison Machine Works.

104 Goerck Street,

New York, 188

at that speed as will
have to be done with the
clutch on the Armature
shaft. The Magnets
for the Pressing
Motor have appeared
and will be in place
today. I am afraid that
we will have to have
a larger resistor to
stop the spark
from breaking the
current from our
machines at all
times.
Yours Truly
Chas. F. Hughes

EDISON COMPANY,
MAYNARD BUILDING,
35 WALL STREET.
—
CHARL. WITTEFIELD, President.
JOHN HENNER, Secretary.

THE CENTRAL AMERICAN PACIFIC RAILWAY
AND TRANSPORTATION COMPANY.

New York, 24 Oct. 1882

RECEIVED
OCT 25 1882
ANSWERED

Thos. A. Edison Esq.

Windsor Park,

Oct 27 1882
FILE No. 20

Dear Sir,

I saw in Messrs. Dressel, Morson
& Co's office a photograph of one of your
Electric Motors for Railways. Will
you please advise me what traction
power such a motor would have on a
4% narrow gauge railway, ^{3 1/2 to 4 ft} and the cost
delivered on board ship at New York
to go to Central America, together with
the cost of running, and charge

Yours respectfully

Wm. Wittefield

Pres.

The Electric motor cannot be
applied to a Steam Rail Road
unless certain alterations are
made into the track. If you
wish to look into this matter
we

I shall be glad to arrange
for you to visit next
week when I have
an experimental Road of
Mr. Miller in operation

20.

Oct. 24, 1882

Butcher

28 10 1852

New York 11/3

RECEIVED
NOV 3 1852
ANSWERED
1105
FILE No. 22

Mr Swell

What are the prospects
for the final text?

Please bear in mind my request
and notify me in time by telegraph.
Will you kindly drop me a note
stating, if possible, when it will take
place - I am waiting for it in order
to get away for a week's shooting -

Very Respy
M. J. Whann

Oven

T

20

Nov. 2 82.

Dear Sir

^{Mr. Shannon} suggests
that ~~you~~ ^{we} should pay
a preliminary visit
to Menlo Park & familiarize
yourself with the Electric
Rail Road prior to the
formal test there. If you
think this suggestion
a good one please
communicate with
Mr. Chas. F. Hughes ^{mentally} who
has charge of the R.R. at
~~Menlo~~ & who will show
you the operation. If
I give you all information
you may desire concerning it.

shall be glad of a
line in reply⁺ when
it ~~is possible~~ will be conve-
nient to you to receive
me
I remain
yours truly

John Taylor.

+ to the Brevoort House
New York.

Mr. E. goes to Boston to morrow
morning to return Saturday noon
and will be glad to meet you

26
BREVOORT HOUSE,

Fifth Avenue, near Washington

New York, ~~Nov 6th~~ 1882

Mr. A. Edison Esq.

Dear Sir

Enclose a note
of introduction from
Messrs. A. D. Turrettini & I
also hold one from
Mr. Riederbaum, & shall
be glad of an opportunity
of meeting you & discussing
the matters of business
in wht we are interested
& of seeing your laboratory
&c. I go to Worcester
Mass. to morrow with
Mr. Taylor who is with
me but we return
Wednesday Eve. 7

[ENCLOSURE]

Geneva the 14th Apr. 82

Thomas A Edison Esq.
Monto Park
New Jersey

Dear Sir

I have the pleasure to
introduce to you Mr John Taylor,
the chief of the well known firm
J Taylor and Co of London.

Mr Taylor is one of the most
influential of the syndicates for
the exploitation of your system
of Electric Railway, in Switzerland,
and, I hope, in other corners of
Europe.

I am confident you will receive
him as myself

Yours truly
H. Furutsumi

T. A. EDISON,

20

Menlo Park, N. J.

1887

File

Nov 10th

Hughes

Mr. T. Edison

Star Bldg

Mr. Compton

sent word that unless I
came down and settled
about the lease for his
land he would tear the
track up. I went to see him

and closed it for one
year from Nov 1st 1887
for the same price as
last year. \$175.00

The
Howard Ayers land I have
agreed to give \$150.00
for from same date.

John Ayers
and the Roe Brothers
must say what they will
take but are doubtful.

intending to ask considerably more than last year as they only got \$50.00 and \$70.00 respectively and want enough more to pay them for putting the land back after we are done using it. These have been made out the same as last year for Howard Ayers and Joel Crompton. For the prices mentioned. And still has the old ones and send with checks as soon as possible
Yours Truly
Chas. D. Hughes

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK

Nov 13th 1882

Mr. T. A. Edison

Dear Sir:

The enclosed cards are the ones which you saw. Mr. Clark says that he has yielded one Chamberlain and cannot spare it at present as he has about an hundred cards at the Central Station to work out. He thinks that the diagrams are good but show such changes in the condition of the track that it would be inadvisable to wait for a fine day to indicate the Equival and has promised to enclose with the first fine day we have.

Yours Truly,

Chas. T. Hughes

THOMAS A. EDISON,
MENLO PARK, N. J.

Nov 15th 1887.

Mr. Thomas A. Edison

Dear Sir

I wrote Mr. Shannon
of the Staten Island Telephone Co.
in answer to his enquiry that we
should be pleased to see him
at any time and show him the
R.R. We took some cards yester-
day, but as the weather was bad
(It rained the night before) there was
considerable variation. The Arma-
ture of the freight Locomotive
got warm when it got away from the
pole so that we had to stop. The
field was also very hot. I enclose
card taken first with track out,
then track in, then field in, then
track, field and Armature in.

As Mr. Edison spoke of coming out on
Sunday next would it not be a
good idea if the weather is fine
to come out on that day and
have Clarke come with me
same text. If you think well

of it and will let me know I will
have everything ready for you

Yours Truly,

Chas. F. Hughes

P.S. The other two cards enclosed
are the best ones we got just
before taking No. 1

Yours Truly,
C.F.H.

Hughes

9201/1582

70

Minneapolis, Lyndale & Minnetonka Railway Co.

W. B. MICHIE, President,
R. S. FISKE, Gen. Pass. Agent,
S. C. NICHOLS, Treasurer.

MINNEAPOLIS, LYNDALE & LAKE CALHOUN RAILWAY CO. }
MINNEAPOLIS & LAKE TOSSE RAILWAY CO. }
THE LYNDALE RAILWAY CO. }
Crossed Out.

Minneapolis, Minn., Nov 21 1882

Thos A Edison

Mauls Park St.

My dear Sir

I enclose an extract

I cut from this morning's Minneapolis Tribune
This statement is annoying to me
because I have told our Council you were
rapidly progressing with your electric works
and would have it done soon - this made them
lay off for awhile or give me time - but the
statement that it is on the scrap pile brings up
the fact that I am tampering with the electric works
and hence they are in no good frame of mind
I wish you would have the statement
contradicted - it will settle our people
& give confidence to our friends in an
early completion of the new power

Yours Truly

Wm Crosby Ross

8

THE CITY ELECTRIC LOCOMOTIVES.

The Different Principles on Which They
Work—The Failure of the Edison
Motor—A New Machine.

After all the attempts of electricians to invent some locomotive to take the place of that worked by steam, there has up to the present time been nothing placed upon the market which is both economical and practical. When Edison got his toy engine running in Menlo Park the country was agog with expectation that at last the model longed for machines had been invented. It was when this engine went flying on an old heap of scrap-iron—disintegrated. Then a pile, in Berlin, was worked by electrical power was introduced and is now in use. The power is generated at the end of a cable and conveyed along wires above the car on poles. It is by a mechanical arrangement transferred from the wires to the locomotive, now invented.

John McNeill

INVENTOR'S SUCCESS AT ST. PAUL.
It cannot fail to be of interest to the people of Minneapolis to have, laid before them lately the status of the electrical locomotive systems now in use, and the reasons why they are impracticable in our streets. In a conversation with Dr. Ferris of this city some interesting facts on this subject were brought out.

"Why is it," the doctor was asked, "that Edison's motor is not in use?"
"Because," said he, "of its lack of economy. It costs too much to work. That is one way. But there is another in the fact that a third mill is necessary. This mill is charged with electricity and it is a horse or man who has foot turn it and work is certain only. No such mill may be had in our streets. The system in use in Berlin would also be impracticable because of its wastefulness. It takes more electricity by system and than use the current to drive machinery, than you have the mistaken notion that power and produced out of nothing. If you produce a certain quantity of force by steam, capable of raising, say 10,000 foot pounds, convert it into electricity, and then endeavor to get it back again in the shape of electrical power, you will lose a great deal of it. Some people appear to believe that you can produce something out of nothing—that it is possible for you to take a glass of water and, by certain combinations of machinery, get a large amount of steam power out of it. The fact is, that no machinery you get the more force you lose by friction."

A NEW MOTOR.
A question was asked concerning the new motor Dr. Ferris has been spending a good deal of time upon.

"A company has been organized," said he, "with \$100,000 capital, and patents on all the mechanical parts have been applied for. There is no doubt about it being a success."

"What is the principle on which it works?"

"In the first place there is no third rail, communicating the power from a generating station. Now or there any poles overhead carrying wires along with the power in them. Nor do we carry a low tension of metal with accumulated power in them. The power is generated on the engine. We carry a battery and produce by means of electrolysis from acid-thin articles as we describe in the patent. The steam engine drives the piston rod in the same way that the steam does. Thus the principle of the steam engine, and you see the difference between it and what is now in use. Electricity is not ordinarily used for the production of power in work of this magnitude. The expenditure an engine will cost much less than steam. It requires no engine, no boiler, no fire, no fire, and it causes no noise."

Geneva the 25th Dec. 1882

Thomas A. Edison Esq.
New York.

Dear Sir

I did receive for two days your telegram dated 21st Dec. asking how was the matter in the Geneva Electric Railway. I did answer you from Basel when I was leaving that I would answer by letter.

As I did call you, three months ago, an English company was in formation for the exploitation of your electric railway system in Switzerland, and had made an advance commitment with the purchase of the concession of a railroad from Geneva to Frenay and St. Julien, S.M. to some near Geneva, on the

French territory.

The matter was in good way as Mr Taylor and I the chief of the English syndicate make the condition for furnishing the necessary funds for building the road, that the Geneva Government give his guarantee for 4 per cent on all the expenses for the line estimated to cost 1,800,000.

The Geneva Government was accepting to give his guarantee only on 500,000 of the bonds for 4 per cent, but not more.

I hope we will soon arrive to an agreement by an arrangement with the Tramway Company of Geneva where the line would be considered as all French and I'd like with electric system.

I'd receive for 4 or 5 days your expedition of the plans and drawings for the construction of the railroad wagons and ^{engines} ~~machines~~ for this end, but without any explanation.

I think so now if the railroad can be put as a tramway on the ordinary road or street, with rails in the ground



to keep always the rails out of the ground



The first system would be necessary on a great part of the line in Geneva and I am afraid that by snow or great rain the conductibility to the ground would take excessive proportions.

Will you be so kind to write me
on this matter.

I did read for some days in the
newspaper that you did found a
new accumulator much better as the
Taine accumulator.

If it is really ^{proved} and ^{from} the
recipitation of this letter or a model
or all the drawings and explanation
for the construction in ^{Switzerland}

It would be the best solution
for our railroad, if it was so heavy.

I was finishing for some days
our first dynamo for 250 lamps. A
but without any drawing or indices
from you. The machine is very good.

Send us also the plan of your great
dynamoes of 600 and 1200 lamps. A
and of all the new dispositions ~~et~~
or combination for lightning. We
are without any plan and must
make all by our means.

Send us in the same time, a model of your new meter and of the different supports of lamps. If you call the cost, I will accord it you for this sum by Helin.

Withstanding of your cable, the Paris Company has apprised agents in Switzerland ^{and} make us a great communique. The English Company will also your lamps in Switzerland to all the persons who make the request.

Our contract with you for the exclusive right for Switzerland is just as not existing by the fact of the dishonesty of this Company.

We are waiting of you that you find this Company to respect your signature.

Kind us please a declaration
as follows:

Je déclare que la Société d'Exp.
partillage électrique de Genève et
les Sociétés qui en dépendent ont
seul le droit exclusif de la
construction et de la vente
des lampes et appareils de mon
invent. destinés à l'éclairage
électrique pour la Suisse.

New York le (signé) Thomas A. Edison

I thank you beforehand for
this several answer

Yours Truly,

Th. A. Edison

Reverend of B.....!

ARTICLES OF ASSOCIATION

OF THE

Saratoga and Mount McGregor Railway Company.

Know all men by these presents, That we, the undersigned, under and in pursuance of an act of the Legislature of the State of New York, entitled "An act to authorize the formation of railroad corporations and to regulate the same," passed April 24, 1850, and the acts amendatory thereof and supplementary thereto, have associated ourselves together for the purpose of constructing, maintaining and operating, a railroad for public use in the conveyance of persons and property, and for that purpose have made, signed and executed, these Articles of Association.

FIRST.

The corporate name of the company shall be, SARATOGA AND MOUNT MCGREGOR RAILWAY COMPANY.

SECOND.

The said company is to continue for one hundred years.

THIRD.

The places from and to which said railroad is to be constructed, maintained, and operated, are as follows: Said railroad is to commence at, or near or in, the village of Saratoga Springs, in the County of Saratoga, and State of New York, and run thence by the most direct and feasible route to Mount McGregor in said county.

FOURTH.

The length of said railroad, as nearly as may be estimated, is ten miles, and said railroad is intended to be made wholly in said County of Saratoga.

FIFTH.

The amount of the capital stock of said company shall be three hundred thousand dollars, and shall consist of three thousand shares of one hundred dollars each.

SIXTH.

The names of the thirteen directors of the said company who shall manage the affairs of the company for the first year and until others are chosen in their places, together with their respective places of residence, are as follows:

GEORGE W. VAN VLACK, New York.
JOHN KELLOGG, Amsterdam, N. Y.
DUNCAN MCGREGOR, Glen's Falls, N. Y.
JAMES ARKELL, Canajoharie, N. Y.
N. D. WENDELL, Albany, N. Y.
HOWARD LOCKWOOD, New York.
BENJAMIN SMITH, Canajoharie, N. Y.
W. J. ARKELL, "
GEORGE WEST, Ballston Spa, N. Y.
JAMES D. TAYLOR, Palatine Bridge, N. Y.
JOHN D. WARNER, Amsterdam, N. Y.
A. G. RICHMOND, Canajoharie, N. Y.
D. H. FONDA, Albany, N. Y.

Gauge

3 foot 6

*Let him know when Mount Park RR
is running*

SEVENTH.

Each of the subscribers hereto agrees to take the number of shares of stock in said company set opposite his signature.

In WITNESS WHEREOF, the subscribers hereto have hereunto set their hands this
day of
eighty-one
in the year one thousand eight hundred and

L. P. Juvet, Glen's Falls, N. Y.	- 20 Shares.	Chas. C. Barnes, Canajoharie, N. Y.	- 10 Shares.
By W. J. Arkell, attorney in fact.		W. B. Gilchrist, Bath-on-Hudson, N. Y.	1 "
W. J. Arkell, Canajoharie, N. Y.	- 200 "	Geo. West, Ballston, N. Y.	- 200 "
E. B. Barnap, "	- 6 "	D. F. Ritchie, Saratoga Springs, N. Y.	25 "
James Arkell, "	- 200 "	Duncan McGregor, Glen's Falls, N. Y.	500 "
Wm. B. French, Albany, N. Y.	- 1 "	John Kellogg, Amsterdam, N. Y.	- 100 "
Adam Smith, Canajoharie, N. Y.	- 50 "	John Warner, "	- 100 "
A. G. Richmond, "	- 200 "	James D. Taylor, Palatine Bridge, N. Y.	20 "
Stafford Mosher, "	- 5 "	By W. Warner, attorney in fact.	
Norman S. Brumley, "	- 10 "	George W. Slatson, New York, N. Y.	- 20 "
Henry H. Wright, Albany, N. Y.	- 1 "	By W. Warner, attorney in fact.	
J. D. Wendell, Fort Plain, N. Y.	- 100 "	George W. Van Winkle, New York, N. Y.	20 "
Jno. A. Zoller, "	- 100 "	By W. Warner, attorney in fact.	
Will. O. Wood, Albany, N. Y.	- 1 "	Howard Lockwood, New York, N. Y.	- 60 "
Benjamin Smith, Canajoharie, N. Y.	- 100 "	John Vosburgh, Canajoharie, "	- 2 "
S. L. Frey, Palatine Bridge, N. Y.	- 10 "	Nathan B. Wendell, Albany, N. Y.	- 50 "
		Doug H. Fonda, "	- 50 "

the R. R.

File

R. R.

29

Sidy R.R.
 Lana top.
 to m^c Grego's
 Distance 8 or 10
 miles

Grade $2\frac{1}{2}$ ft \div $2\frac{1}{2}$
 to 100 from $1\frac{1}{2}$ to
 2 miles

Webster Wagon

James Clarke, Prof.

John L. Cooke, Prof. of Nat. Mech.

W. L. Burdett, Prof. of Eng.

COOKE'S
Wagon, Road and Machine Company
Security, Durability, Economy and Machine Company
Machinery adapted to every variety of service, also Cotton and Silk Machinery
New York Office: 117 Broadway
W. L. Burdett, Prof.
New York, N. Y.

L. Dorch, Esq.
Mentz Park, N. Y.

Dear Sir,

My absence from the city has prevented my answering your favor of the 30th ult. before this.

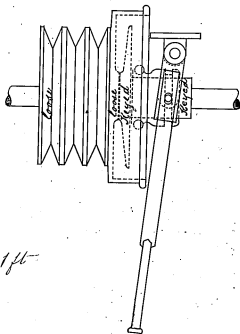
We are progressing as rapidly as possible with your work and hope to have it finished in a short time, if you wish to inspect the work before we ship I will advise you later when it is nearly ready.

I enclose drawings of wheel and truck center. The wheel of course will not have crank pin holes nor balance weights as shown on drawings.

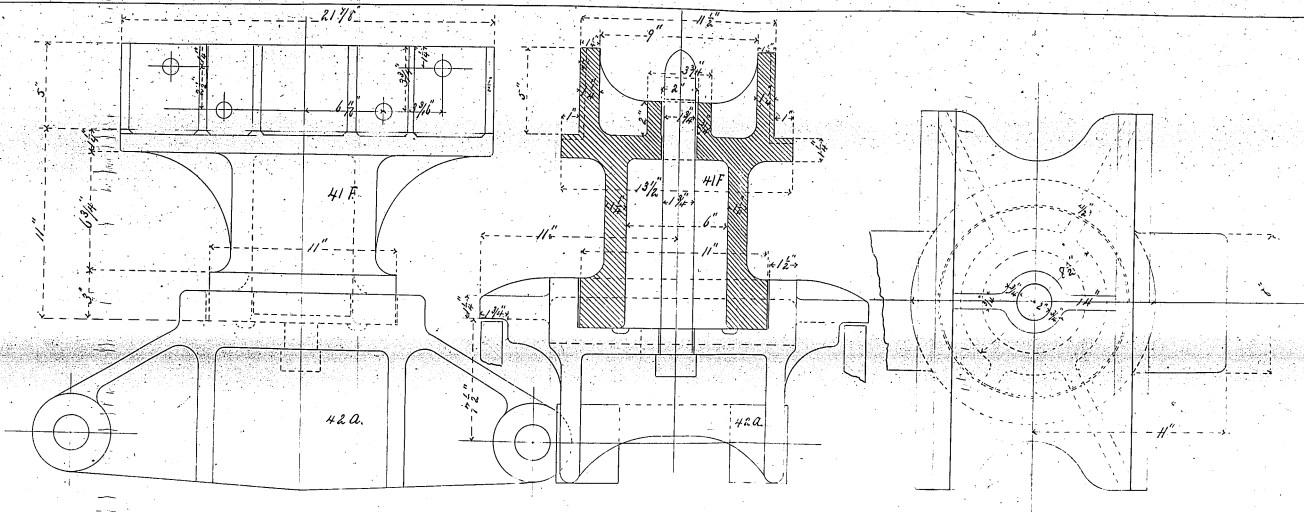
Hoping the above will prove satisfactory, we remain, yours respt.

John L. Cooke

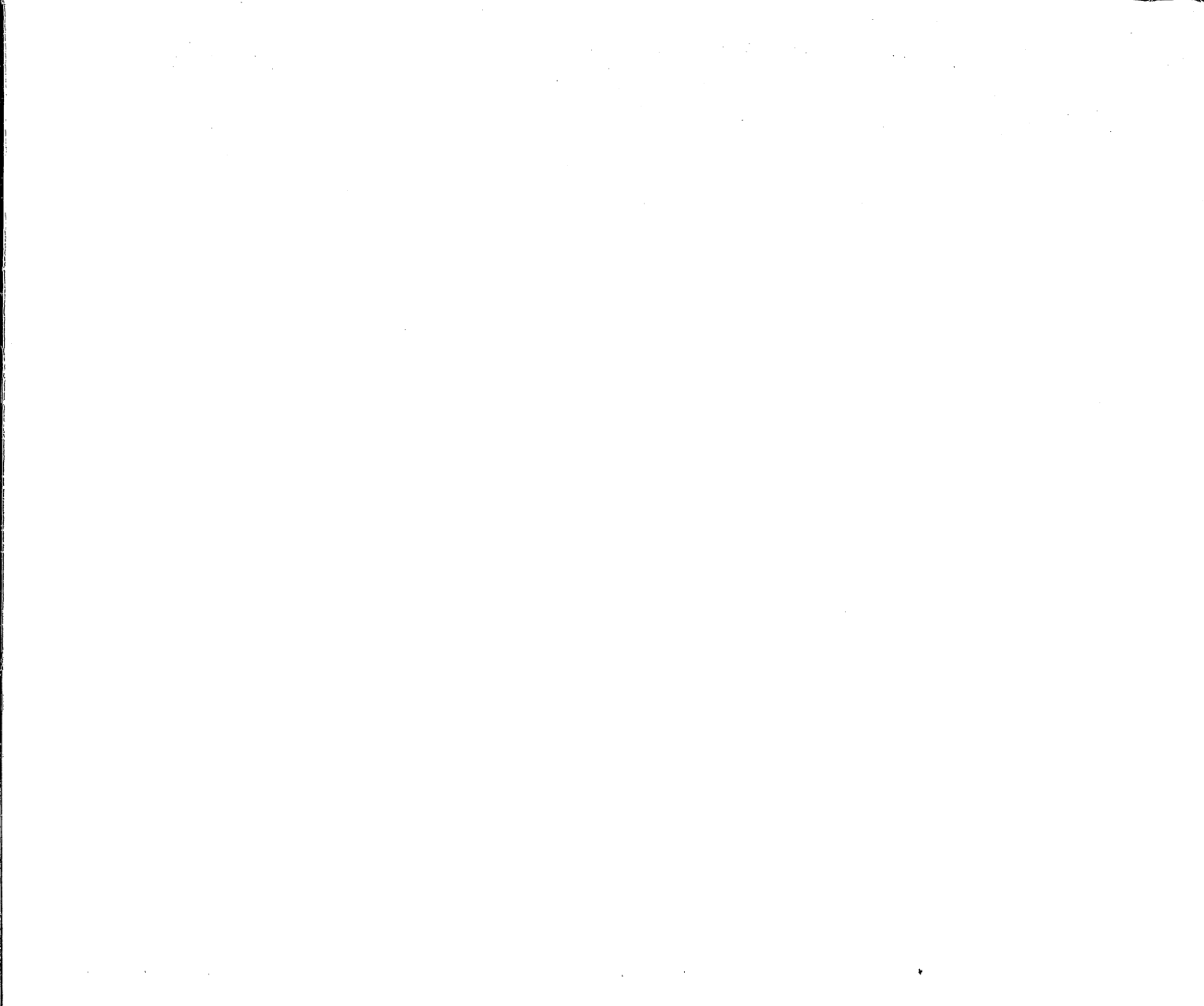
[ENCLOSURE]



Scale = 1 ft



Drawing center for Edison Electric Socy.



(D-82-050) [number not used]

1882. Science (D-82-051)

This folder contains correspondence and other documents relating to Science, a journal which began publication in 1880. Until 1882 Edison provided the principal financial support for this journal. Most of the correspondence is by John Michels, editor of Science.

All the documents have been filmed.

"SCIENCE."
TRIGUNE BUILDING, ROOM 17, NEW YORK.

February 4th. 1882.

To
Samuel Insull Esq
New York.—

Dear Sir,

I enclose my last account
for the week ending December 31st
1881, will you kindly send me
a check early in the week Tuesday
if possible, as the amount for the
Printer and rent is overdue.—

The amount is \$ 253. 38. —

This clears all up to Date
December 31st 1881— except the
Index mentioned by me in
previous letters, I agreed to pay
\$50 to have it prepared— When
it is ready I will refer the
maker Mr Columbus to you
direct—

Respectfully
Yours
John M. Little.

February 16th 1882.

Jr Samuel Insull Esq
New York.

Dear Sir,

I am anxious to obtain a check for
the last account rendered as I am pressed to
make the payments mentioned in it. - I would
esteem it a personal favor if you can attend to
this for me at once.

Yours truly
John Michels

Box 3230
P.O. N.Y.

Wott pay this
first opportunity
I

No. 53

New York, Feb 25 1882

Received from THOMAS A. EDISON,

Two hundred & fifty three ——— \$70 Dollars,

(Check No. 498) in full discharge of all claims against
him in connection with the publication known as Science with the ex-
ception of fifty dollars to be paid on completion of new annual part
of money, &c —
\$ 253 / 100

Arthur & Board, N. Y.

John Nichols

" SCIENCE "

TRICUNE BUILDING, ROOM 17, NEW YORK.

February 24th 1882

To

Samuel Insull Esq

Dear Sir,

I called on you on
Tuesday but was not fortunate to
find you at home. If you can
send me a check tomorrow I
would be much obliged as
I am pressed to make other payments.

Yours truly,
John Nichols.

" SCIENCE "

TRICUNE BUILDING, ROOM 17, NEW YORK.

Feb 25th 1882

To

Samuel Insull Esq

Dear Sir,

I got my account book
here so cannot check the amount
but sign the journal receipt
trusting to you being correct.

There is of course the printing
the Index which I have added
to receipt, this naturally comes
under the old account as last
year's volume is not complete with
it, and should have been issued
in December to subscribers. —

Yours truly,
John Nichols

I would like to see you if convenient
and will make it call for

Accd
9th May 82
J.

OFFICE OF "SCIENCE"
Tribune Building N. Y.

April 28th 1882. -

Samuel Inance Esq

Dear Sir,

If you can send me your check by
Beam as proposed I will be obliged as I have to
clear this up. -

In regard to Mr. Edison if he should decline
my proposition spoken of to you yesterday, I would
suggest that if he would join the Company I am
forming to run the paper, that, if he will take some
stock in it, that he shall in view of his previous work
have them at half price (\$30 per share) other persons paying
full value of \$100. - I have already four persons
willing to take stock, and Mr. Maynard's friend
Mr. Paruly will act as Treasurer, Mr. Maynard who
is a Banker taking some stock himself and appointing
Mr. Paruly to act for him. -

If Mr. Edison himself would give a working
capital I would undertake to make it come in
\$400 a week profit. - I have now had extensive

in working the Journal, and should start afresh on
business principles which would insure financial
success. -

Yours truly

J. H. Michael.

Samuel Insull Esq

"PUBLISHER OF "SCIENCE"
Tribune Building N. Y.

May 6th 1882.

Dear Sir,

I would like to know what Mr Edison proposes to say to me on Wednesday as I then can be prepared with an answer. — If you can send me a line on the subject I would be obliged. —


As to the check for which I am waiting no part of it is coming to me personally, and if Mr Edison can get the work done cheaper elsewhere I can send the work wherever he likes and he can make his own arrangements for paying. —

At great loss to myself I have kept things together so far, as Mr. E. left them, and stand free to make any future arrangement

Yours truly
John Michels

OFFICE OF "SCIENCE"

Tribune Building, N. Y.


 May 10th 1882

To
 Saml. Inceall Esq
 New York
 Dear Sir

I received your message asking me to call on Mr. Edison today, but unfortunately I have not been able to leave my bed since last Sunday, so please make my excuse to Mr. Edison and say that I will call the first day that I am out - In the meantime if you can make it convenient to call on me at my residence, 217 West 18th St. I shall be very glad to see you.

Yours Truly
 John Nichols
 Dr 222


 RECEIVED
 MAY 10 1882
 P. M.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, July 4th 1882

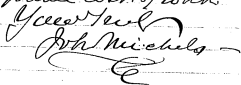
J.
 Saml. Inceall Esq
 New York.

Dear Sir,

I have to see Col. Eaton tomorrow morning and will call at 10 O'clock, if convenient to you I will make you a call at the same time.

My wife was \$192.20 and Mr. Columbian \$50 for making the index.

This is prime cost of work

Yours truly
 John Nichols


THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, _____ 188

Gill

Samuel Insull &

Dear Sir

I have waited
an hour hoping to see you
as I understood you
were expected. I will
be at my office, Tribune Bldg.
Room 50 from 12 to 1
and from 2 to 3 — and
can call in the afternoon
if you mention
a time →

Yours truly
John M. Child

I will call here at 5 today

35

Michelo July 4. 1852

THE EDISON ELECTRIC LIGHT CO.,
5 FIFTH AVENUE

New York, July 5th 1882

David Insull Esq
Minto Park.

Dear Sir,

If you will drop
me a line stating when you
will be at 65 Fifth Avenue
I will be there, any hour
your name: —

Have just called being
you were in the City.

Yours truly,
John Michels

OFFICE OF "SCIENCE"
Tribune Building N. Y.

July 5th 1882

Received of Thomas A. Edison the sum
Two hundred and Forty-two dollars and 20 cents
in full settlement of all outstanding accounts
between us in regard to the Edison called "Science".

\$242.20

John Michels

1882. Telegraph (D-82-052)

This folder contains correspondence and other documents relating to quadruplex telegraphy and to the use of chemical printers as stock quotation instruments. Some of the documents deal with the ongoing legal battles over Edison's automatic and quadruplex patents. There is also material pertaining to foreign royalty payments. Much of the correspondence is by Edison's associates, George B. Prescott and Josiah C. Reiff.

All the documents have been filmed except for duplicate copies of selected documents.



20 Fifth Avenue
New York City. N. Y. 1884

Mrs. Edison

Enclosed please find
Quadruplex account for 1884
with check for balance due
you.

Yours truly,
Geo. B. Prescott

Thomas A. Edison Esq.

George W. Prescott,
To Thomas A. Edison

Dⁿ

To Amount received from English Post Office for use of Inductibles for 1881			
Less Commissions paid to G. B. Weaver			\$1,376 58
<u>Per</u>			
Jan'y 4 By amount paid L. W. Serrell for seventh year tax on Inductible patent of Feb'y 2, 1875	508 00		
By amount paid L. W. Serrell for recording Transfers at the Administrators to Lowrey & Serrell	15 00	523 00	
			853 58
Less 65 %			554 81
			<u>\$ 298 74</u>

Recd 21/1/82



Foreign Enquiries

Jan 28. 82

Percival

20 Fifth Avenue

New York & Long. 28. 1882

Friend Edison,

Messrs Pillsbury & Co. have
an enquiry from South America as
to the price for a quantity of their
suplex sets. What royalty shall
they pay us per set for selling
them there?

Yours truly
Geo. B. Percival

ROYAL ENGINEER COMMITTEE.

MEMORANDUM.

From Secretary,
Royal Engineer Committee,
Brompton Barracks,
Chatham.

To Professor T. A. Edison
65 5th Avenue
New York

S.M.E. 1000. 142.

Will you kindly inform me
if you can supply & at what
cost a pair of Edison's Aus-
tographic Telegraphic Instruments
Also if arrangements could
be made to replace the pen-
-dulum on these instruments
by a more portable arrange-
-ment.

G Barker (Capt) M.R.
Secretary
R. E. C.

11/2/62

Handwritten notes:
i.e. a pair
C E V 1.6
T 2 4 6 7
9 9 2 10
e b m e
J 4 2

POST OFFICE TELEGRAMS

No. 7807

RECEIVER AND ACCOUNTANT-GENERAL'S OFFICE,
GENERAL POST OFFICE,

17 March 1882

I CERTIFY that Mr. Geo. B. Prescott

has on this day paid to the Receiver and Accountant-General of the Post Office the Sum of

Twenty one Pounds,

five Shillings, and Pence,

on Post Office Telegraph Account.

£ 21 : 5 : -

Chief Examiner

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York, *Mch 22* 188*7*

P. O. Box 3195.

Mr. J. P. Edison

Your contract with the Western Union Tel Co, dated *mdy 24/77* expires today by limitation.

On account of the utter bad faith of that Co with me in connection with this matter, I have been grievously injured & practically ruined.

On account of the same bad faith, you have failed to realize any particular advantage directly from the contract.

You recall the circumstances under which the paper was signed, viz; that concurrently with its execution, the W.U. Tel Co through its Presd. Mr Wm D. Am. had agreed to sign a contract with me by which all questions in controversy between the W.U. Tel Co & the Am. Auto. Tel Co, or the assigns of Harrington & Edison, affecting the Quadruplex, by submitting it to arbitration.

You will remember how careful I was to insist at the time, that the contract of *Mch 22/77*, should not

2

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York, 188

P. O. Box 3105.

be signed except concurrently with the one referring to the proposed Quadruplex Arbitration; & you will also recall that you told me that inasmuch as you finally did execute the Paper of Mch 22/77 apart from the other one, it was upon the distinct assurance of the W.U. people that the arbitration matter would be duly & satisfactorily arranged.

You know that matter never has been arranged & yet the W.U. Pil Co for all these years has had the entire advantage of your association, whilst they have tramped upon the interests more particularly & directly represented by me in person.

As you are now about to be fully released from your obligation under the contract of Mch 22/77, you will be perfectly free to assist me in enforcing full justice from the W.U. Pil Co & enable me once more to stand erect & recover some of the enormous expenditures you know I made when I was the Capitalist.

P. O. Box 3105.

Further you remember that in the contract of mch 22/77, it is provided that \$150⁰⁰ per week shall be paid to you.

This as you know was to be divided \$100⁰⁰ per week to yourself & \$50⁰⁰ per week to me, the latter for pin money, as expressed by me then. The latter portion has of course never been paid to you, nor collected by me.

Last year I had some correspondence with Dr Green, which he did not reply to, but I am credibly informed he admitted the facts & contract, but did not want to commit the Co further on paper.

Your contract was never cancelled nor modified & hence there is due me \$12,000 by the world Co. Until it is definitely decided how to proceed for its collection & the further use of the contract in connection with the Quadruplex matter, I earnestly hope & request that you will in our mutual interest refrain from signing any final

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York, 188

P. O. Box 3105.

receipt even for your individual
share, or do anything to revise
the contract.

As the contract is in your
name if you signed a receipt
in full or did anything to
admit the possibility of extending
its life beyond today, I might
seriously prejudice my claim
& come in no way benefit
you.

Yours faithfully
Wm. Ruff

Thos. Edison
65-5th Ave
New York City

RECEIVED
APR 3 1882
ANSWERED

McMillan

March 30. 82

C. N. Williams

Dear Sir: ¹³Apr 1882

I am just in receipt
of a note from Mr. Peiff
stating that he had un-
expectedly been called to
Durham, Colorado. He left
yesterday - This is very
embarrassing to me as
your case with Peiffert
is down for next week
at New Brunswick. Last
time it was postponed as

the ground of Mr. Reiff's
absence in Washington &
vice versa on the ground
of the absence of Mr. War-
rington. What am I
to do in the event of a
judgment to secure a post-
ponement, I must have
Mr. Reiff's testimony and
I mean for an instant
suspected that he would
not be present at New
Brunswick this term -

His presence would be
far preferable to his ab-
sence as security points
might seem to be secret
at the trial. I don't
know whether you have
any way of reaching
Mr. Sargent or in any way
securing his consent to
further terms - Please ad-
vise me at once -

Very Respectfully,
Yrs

G. D. W. W. W.

Secretary, Ind. Supr.

Thos. A. Stern Esq.

RECEIVED WESTERN UNION TELEGRAPH COMPANY.

FROM

APR 14 1882

H. ROCHESTER,

ANSWERED

TREASURER

NEW YORK

Apr. 12th 1882

To Sam'l Inseel Esq.

Crane Secy 65 Fifth Ave.

Dear Sir: Your favor of the 10th inst. is received. In examination of the contract with Mr. Edison I find that the term expressed is five years from March 22^d 1877, but as the weekly payments began from and after the 1st of March 1877 the period of five years expired March 1st 1882. I have therefore overpaid for four and four seventh weeks, amounting to \$457.¹² which please refund and oblige

Yours resp.

H. Rochester
Treasr

Amos. Braden

RECEIVED

APR 17 1882

ANSWER. D

17 APR 1882

April 13, 82

Dear Sir

I succeeded after a
great deal of difficulty in
again securing a postpone-
ment of the Tiffet case until
payment of costs. It now
goes over until the first
week in September, which
I trust will be
here -

Yours truly

C. D. W. W. W.

Madison, April 13/82

Thos. G. Edison Esq. -

WESTERN UNION TELEGRAPH COMPANY.

FROM

R. H. ROCHESTER,

TREASURER,

NEW YORK, *Apr. 22^d*, 18*82*To *Saml Inceel Esq**Secy**65 Fifth Ave*

Dear Sir:

Acknowledging receipt of your favor of the 18th inst, I am assured that Mr. Edison needs no explanation of the difference pointed out by you. The amount of the weekly payment to him is in accordance with an understanding between him and Mr. Orton.

Very respectfully

R. H. Rochester
Treasr

(Form 3 A.)

ANSON STAGER, Pres't.

NORMAN WILLIAMS, Vice Pres't.

CHICAGO TELEPHONE CO.

SUCCESSOR TO AM. DIST. TELEGRAPH CO.
UNION (BELL) TELEPHONE CO.

G. N. FAY, Gen'l Manager,
L. E. FURMAN, Asst. Gen'l Manager, 25 Union Bldg.
R. S. DUNN, Supt. Operating Dept.
J. W. BERNARD, Supt. Construction, 110 Queen St.

CHICAGO, June 8th 1882.

Thomas A. Edison Esq. New York.

Dear Sir:

We are using in our watch service, registers for chemical paper but in the latter have not been very successful in the matter of solution.

We want, (1) a record that can be read instantly;— that will not require the action of the air to bring it out clearly; (2) the record must be permanent; (3) do not want to use more than 40 cells of Callaud on each circuit [one mile].

A record such as was had on the automatic telegraph on the At P lines some years ago would be very satisfactory.

Will you kindly give us the benefit of your experience with the several solutions and state what arrangements we can make with you for the use of one of them?

Very Truly Yours
B. E. Stunmy
Chief

(Form 514)

ARTHUR STAGGER, Pres't.

NORMAN WILLIAMS, Vice Pres't.

CHICAGO TELEPHONE CO.

SUCCESSOR TO { AM. DIST. TELEGRAPH CO.
UNION (BELL) TELEPHONE CO.

G. N. FAY, Gen'l Manager, 100 Union Bldg.
E. D. FINE, Asst. Gen'l Manager.

CHICAGO *June 21* 188*2*

One

*Thomas A. Edison, Esq.
65 Fifth Ave. New York
New York*

*Our Superintendent, Mr. Lunny, wrote you some
time ago to get the benefit of your experience and
inventions in chemical printing registers. - but as
yet we have no answer. -*

*As we are in daily need of a fast working
register, I enclose a copy of Mr. Lunny's letter,
fearing the original may have miscarried.*

*Will you kindly put it in the way of early
attention, and very much obliged -*

*Yours truly
C. N. Fay
Gen'l Mgr.*

Frank

Office of WOERISHOFFER & CO.,

37

No. 54 Exchange Place.

New York, June 21, 1882

P. O. Box 3105.

Dear Edwin I called

to see Gould & Wainwright
yesterday regarding
our litigation wth you
wth respect to a^{pp} fees.

He is keeping his mind
is giving his time to it
as far as possible.

He showed me from
his pocket part of a
careful digest made
of the case.

I know it takes time
for a new hand to fully
comprehend the matter but I
feel satisfied that he will
do what he promises &
that is more than G. P. Lowry
ever did in connection with
the matter.

He deceived me, however a
settlement with you will be

abouty Keeping me poor
then took advantage of
that circumstance & the
poor of his professed friendship
for Oton, used his oily tongue
among & ~~also~~ used my friends
to give you money, which
had I used my rights
you & I could have
purchased ourselves -
That is it is he is rich
not by his own brain
to - well -
Time makes all things
even!

When we get a settlement
will write & I promise my
faithfulness to you by my
conduct, perhaps it may
be different -

Shoke therefore during last
Coignes vacation, on matter
will get in shape -

I see another of your graduates
can make a better Sympson
than you. ^{of course!}
Presume it is ^{on the water?}
Took of CR

Executive Office
Western Union Telegraph Company

New York, Aug. 17th, 1882.

T. A. Edison, Esq.,

Manly Park;

Dear Sir,

Referring to your favor of the
24th ulto. - Please advise me what size of
weights of such of your machines as you would
consider most suitable for local purposes - that
is, for working sounders - and what you would
supply them for.

What is armature resistance of same? & first
as low as we want, and you supply others
as low as '01 ohm and, at what price?

Truly Yours,

George W. Hammett.

one of our 2 machines
could be wound to give
say 3 volts. its resistance
would be $\frac{1}{10000}$ of ohm, one ten thousandths

THE GRAPHIC COMPANY.

New York. Aug 25 1882

MR. EDISON TO THE STOCK EXCHANGE

The following letter was sent to the President of the Stock Exchange yesterday:

F. A. Lawrence, Esq., President New-York Stock Ex-

change: I desire to know upon what terms approx-

imately the exchange will grant me the same facilities as

has now refused to, and stock, the same

facilities, I desire to introduce a portable apparatus

with which shall furnish quantities much more rapid

than by the present system. I propose to do this

with my patented apparatus, as described in my patent,

U. S. Pat. No. 210,000, of 1877, and

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U. S. Pat. No. 210,000, of 1877, and

U. S. Pat. No. 210,000, of 1877, and

Dear Sir:

I should like to see you in reference to the above, & should much like to see the machine also, as I think I can show you how it can be introduced. Please let me hear from you & I will then give you my ideas. Where can I see it in operation?

Yours truly
C. M. Lockwell

Will be at Pearl St station

Electric Light, from 12 until

5 pm Daily day - would not like

to show apparatus until get permission

from the exchange - J. E. L.

Office of WOERISHOFFER & CO.,

No. 54 Exchange Place,

New York,

1882

P. O. Box 3105.

Dear Edison

I saw the
Secretary Stock Exchange today.

He does not know how the letter
got into my hands. He was absent
that day & don't know who opened
the letter -

My Proposition will be submitted
to first meeting of Government
Committee which will probably
not be held before 2nd week in
September -

They tried to have a meeting today
but no quorum - Y. J. Schiff

New York Stock Exchange.

Lawrence

St

New York August 29 1882

Thomas A. Edison Esq

for

I find that

during my absence from the City, you addressed a communication to me as President of the New York Stock Exchange, the receipt of which (through an oversight) was not acknowledged -

It will be submitted to the Governing Committee at its first regular meeting

Yours respectfully

R. W. Lawrence

President

N.Y. Stock Exchange

New York Stock Exchange.

New York Sept 29 1882

Thomas A. Edison Esq

Madison Park N.Y.

Sir

Your communication in reference to furnishing Quotation Instruments, was read to the Governing Committee yesterday (their first regular meeting held)

When it was referred to the Committee of Arrangements, to report back

Yours respectfully
R. W. Lawrence

New York Stock Exchange,

New York, Oct 12, 1882.

Wm. A. Edison &
for New York, N.Y.

At a meeting of the
Governing Committee, held
yesterday - upon recommendation
from the Committee of arrange-
ments - you were granted the
same privileges now had by
the N.Y. Stock Telegraph Co.
on the floor of the Exchange,
and upon the same terms.

Yours respectfully,

G. W. Wells

Acknowledged receipt
with thanks

Delaware - New 29
PUBLIC LEDGER

H. W. Connor Sixth and Chestnut
GEORGE W. CHILDS, PROPRIETOR.

Philadelphia, Nov 29th 1882

Mr Thomas A Edison

Dear Sir: I send you herewith a paper on Spellier's "Time Telegraph" which I think you will find of interest. It is entirely new I believe, in principle, and works noiselessly, as claimed, requiring very little power. Mr Spellier is a friend of mine and I know would be glad to receive any criticism you may feel disposed to make. I know that you are very busy in other branches of electrical science but feel assured that you will be repaid by an examination of this invention

and procure upon our chance acquaintance to submit it to you.

Our light in the Ledger office is very satisfactory but I have not yet been able to ascertain its cost. The candle power seems to be higher than at the Record office.

Yours Very Truly

Abraham B. Bush

Will look through the pamphlet you send me when I have some spare time & will write you again on the subject

SOCIÉTÉ INDUSTRIELLE ET COMMERCIALE EDISON

No 388

Société Anonyme, Capital: 1,500,000 Francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ

Grand Diplôme
d'honneur
PARIS 1881

NY - sur - Seine, le 5^{ème} fév.
1882.
RUE DU PARC.

J. P. Edson Esq.
New York.

My dear Sir,
I have heard several times that
Henry has never yet received his instruments
from the Paris Exhibition of 1881 -
I have therefore traced up for you the 2 Cases,
which contained them, and send you enclosed
letter of Messrs. Dutheil & Co, who shipped them
with translations of same. -
At the same time, another duplicate of the
B/L, with which you can claim the
goods.

Believe me

Very truly yours,

Chas. Batchelor

3 enclosures

~~Private~~

33

66, Old Broad Street,

London 7 West 1882

Dear Sir,

I believe you are aware that Mr Pender has lost many thousands of pounds by the Automatic Patent & he understands from you that Edward Goumand had certain funds for him. Will you kindly get the sum from Edward Goumand & remit to me for our friends account? I am faithfully
Yours
Wm Layton

Ed: H. Johnson Esq

My Dear Sir:-

There has been a
 trace in the Tappert case which
 is decidedly bad for us, un-
 less fully cleared up. On
 Saturday last we took the
 testimony of Mrs. Tappert in
 Philadelphia. She testified
 that she was the owner of
 the note & had been since
 early in 1875, that it was
 passed to her in part pay-
 ment of large indebtedness
 due her from her husband.
 She also swore that in Dec.
 1875 she wrote to Mr. Spion
 in reference to payment to

on Dec. 31, 1875, he sent to her
 a cheque for \$500 on account of
 the note. She has promised to
 produce this letter & I am ex-
 pecting a copy of it by every
 mail. You must see
 the importance of this evidence.
 If Mr. Spion did write this
 letter and send this money
 as part payment, the defence
 is ended and further litiga-
 tion useless. Would you,
 when this locked list is at once;
 I will come over to New York
 as soon as I hear from you.
 Mr. Spion must have a copy
 of his letter & also the cheque.

Yours Very Truly

C. D. W. Moore

Wheat, Dec. 5. '75

Chas. J. C. Reiff

Dear Edison

If you - this may
go against you, by
reason of your having

committed yourself
to a conversation
with Seyfert -

How can we ever
only wait -

I have done all
possible & brought

them -

J. C. Keiff
of London etc &
our government

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages and cables between inland and foreign, which have been accepted by the sender of the following message. Errors can be guaranteed against only by repeating a message back to the sending station in compression, and the company will not hold itself liable for errors or omissions in transmission or delivery of Unrepeated Messages beyond the amount of cable paid for same, nor of any ones thereon the class as not provided in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by the order of the sender, under the conditions named above.

THOS. T. ECKERT, General Manager. NORMAN GREEN, President.

NUMBER 11 SENT BY Wm McKim RECEIVED BY Wm McKim CABLE 1888
Received at the WESTERN UNION BUILDING, 196 Broadway, New York.

Stamp: DEPT OF COMMERCE, RECEIVED, DEC 11 1888, 11 16 AM, NEW YORK

Dated New Brunswick N.J. 278
To J. Keiff Case Wormschieffen Co
44 Rible Place, NY
Case tried in Court for Plaintiff Got
in their testimony & Case in
sa favor slope to Case up
J. D. M. Brown

Dear Sir

Mr. Luffel
has won for
him -

Mr. Kinn

has won a
day at the

what has been
probably

17
Kinn
Nov. 1882

17

Dec. 1882

W. H. Moore

My dear Sir:

I suppose you received my telegram from New Brunswick - The case had proceeded for three evenings, it was a fight all throughout and was decided in getting in our deposition to my surprise, although the Judge took the case away from the jury and directed a verdict for the plaintiff.

subject to the opinion of
the Supreme Court. The
grounds of the judges de-
cision were that the hold-
er for value of unissued
stock papers can recon-
valesce even though he does not
acquire it until after
maturity. This is held
by against the decisions
in New York and Pennsylv-
ania even other states
seem to be in England
and even of our states

It gives us a good ground
for fight however with all
our testimony before the
Supreme Court -

My first was present
with him in old book-
keeper (I forget his name)
but the very same day
were talking about. I
talked with them and
both were prepared to
swear that the paper
was not accommodated.
paper was given for the
purpose of the board, i. e. -

this note and the very mem-
ber taken up -

I will call in at last
the matter over with you
the next time I am in

New York -

Very Truly Yours

G. D. W. Wood

Newton, Dec. 18, 1852.

J. G. Wiff Esq -

1882. Telephone - General (D-82-053)

This folder contains correspondence and agreements relating to the telephone in the United States. Some documents deal with the consolidation of competing telephone companies.

All the documents have been filmed.

DELOS ARNOLD,
President.

HENRY SHEPARD,
Vice President.

W. C. SHEPARD,
Secretary and Treasurer.

LOWER VEIN COAL COMPANY,

MINERS AND SHIPPERS OF



Poone, Iowa, Jan 20th 1882

Mr Edison
Dr Sir

Will you be so kind as to inform me as to whether there is any other telephone in use besides the Bell Telephone of equal merit - and if so whose invention is it - and what the address of the controlling parties? An early reply will greatly oblige

Yours Very Respectfully
W. C. Shepard

[Faint, mostly illegible handwritten text]

The National Bell Telephone Co of Boston
now control all telephone patents including
my own

Subject _____
W. H. FORBES, PRESIDENT.

H. C. Baunns application.

418

Wm. H. DRYDEN, TREASURER.
THE AMERICAN BELL TELEPHONE CO.
NO 95 MILK STREET.
P. O. DRAWER 2.

C. M. M.
THEO. A. VAIL, GENERAL MANAGER.

*Bill
340*

*Boston, Jan 27th 1882.
In reply to yours 26th inst.
No. 42266.*

*Thos. A. Edison Esq.
Marble Park, N. J.*

Dear Sir,

The letter from Mr. H. C. Baunns, which accompanied yours of the 26th inst. has received our attention. Thanks for your courtesy in referring the matter to us.

*Yours truly,
C. M. Madden
Supt. Agencies.*

File
FIFTH AVENUE HOTEL.
MADISON SQUARE, NEW YORK.
HITCHCOCK DARLING & CO.

Answer Telephone
July 7, 1912
Pamela

NY-2-12-82
My dear

I talked with
Wob about the contract
& he agrees to examine
it & see what can
be done. He thinks there
is no doubt but that
damages can be recovered
for past & they can
be compelled to carry

FIFTH AVENUE HOTEL.
MADISON SQUARE, NEW YORK.
HITCHCOCK DARLING & CO.

2
out the provisions,
& it may be the license
can be cancelled - He
wants to read it as an
entirety, please have
it copied on type writer
& his Secy will call
for it -

My
W. B. Rainey

15TH AVENUE HOTEL.
150 BROADWAY, NEW YORK.
W. H. GIBSON, DARLING & CO.

Amur Tel.
July 12-82
Chamber

NY 2-12-82

My dear

This will introduce
Mr. [unclear], my cousin's lawyer
who I have asked to call
I get a copy of you will
contact on telephone on which
Mr. C has promised to
give me an opinion on
your ^{their} redref for violation
of it. W. H. Gibson

Amur Tel.
July 12-82
Chamber

Amur Telephone
Chamber
W-86-2-14-82

I enclose Johnson's
opinion on the Sellecar
Telephone. Please read
& return to me by mail at
5 The Hotel - I will be there
on Thursday a.m. Stacy says the
Sellecar writes me he is
going to put it on the market!
I don't know yet if I can
get up a deal with him -
Please hunt up that reference
to the original case you spoke
to me of in chambers last day

W. H. Gibson

[TO SAMUEL INSULL?]

FIFTH AVENUE HOTEL.
MADISON SQUARE, NEW YORK.
HITCHCOCK, BARDING & CO.

W. O. B. - 2-20-02

Dr

Please tell Edison I
could not find any telephone
in Chambers in its place or in
its rear except "Reis" - or I
loved not here asked him for
any further reference -

I expect to start the Light
on Thursday P.M. in both
Printing Office - will start it
on Wednesday P.M. but there
will not be any power -

W. O. B.

My dear Sir,

Ladson says that
he remembers seeing
that reference to
Telephone in an
appendix to Chambers
~~Law~~ but he cannot
remember of what
edition. I will look
it up when I am at
men's Sunday

I hope the fight
will go off all right
at the Lord Printing Office
Did you hear from
Ladson about the meeting of the 10th?

190

Subject Automatic Cut out for Magneto Call.

Wm. R. DRIVER, Treasurer.

W. H. FORBES, President.

THE AMERICAN BELL TELEPHONE CO.

TRED R. VAIL, General Manager.

No. 95 MILK STREET.

P. O. DRAWER 2.

359

Boston Feb. 20th 1909

In reply to yours of 17th inst.

W.H.B.S.S.S.

Richard W. Driver Esq.
65. 5th Ave.
New York.

Dear Sir,

Yours 20th inst. recd.

closing papers on above matter duly
to hand. U.S. Mail is

absent, and his return is not
anticipated for a couple of weeks.

The papers will be laid before
him immediately he does return.

Yours truly
P. C. Madden

Supt. Agencies

Am. Bell Telephone Co.
Approved
1882

185

Proposed Agreement with Mr Edison - Magneto Electric Machines

AMERICAN BELL TELEPHONE CO.

NO 95 MILK STREET.
R. D. DRAWER 2.

THE B. VAIL, Secy. & Treas.

Boston March 7th 1882.

Richard N. Dyer, Esq

Attorney at Law

No. 65 Fifth Ave.

New York.

My Dear Sir,

I have just received, on my return from the West, yours of February 17th covering new draft of proposed agreement with Mr Edison as to improvements in magneto electric machines. This new form is satisfactory to us. I accordingly enclose the draft. And if you will kindly have them executed by Mr Edison and returned to me I will have them executed by our Company and one copy sent to Mr Edison or to you for him as you may wish.

Yours Very Truly
Geo. Thompson

Received
March 10 1882

This agreement made this *five* day of *April*
A. D. 1882, by and between The American Bell Telephone Company,
a corporation created under the laws of the Commonwealth of Massa-
chusetts, of the first part, and Thomas A. Edison, of Menlo Park
in the State of New Jersey, of the second part,

WITNESSETH:

That WHEREAS said Edison has invented an alleged new
and useful improvement in Dynamo or Magneto Electric Machines, for
which application for Letters Patent of the United States (No.
42321) was filed September 10th, 1881, which application is invol-
ved in interferences, now pending before the Commissioner of Pat-
ents;

And WHEREAS, The American Bell Telephone Company is des-
irous of securing the entire right, title and interest in the said
invention of said Edison and in the Letters Patent that may be
granted to him therefor, provided said Edison prevails in said in-
terferences and succeeds in obtaining said patent securing the in-
vention as described and claimed in said application;

Now therefore the parties have agreed as follows:

1. Said Edison agrees to transfer, set over and assign,
to said The American Bell Telephone Company, its successors and
assigns, the entire right, title and interest in and to said in-
vention and in and to the Letters Patent granted therefor, provi-
ded the latter is granted to him. And said Edison further agrees
for himself, his executors and administrators in such case, to do,
execute and deliver to the party of the first part any and all acts

and instruments that may be necessary or proper to vest said title in the party of the first part.

2. The party of the first part agrees, upon the grant of said patent securing the invention as described and claimed in the application before mentioned, and upon the assignment of said invention and patent to it the said party of the first part and its successors and assigns, to pay said Edison, his executors and administrators, during the life of said patent, a royalty of ten cents upon each and every instrument embodying said invention which may be put into use by it or its licensees in the United States, and on each and every such instrument manufactured by it or by its licensees for export. Accounts of such royalties shall be rendered and settlements made monthly.

Said party of the first part further agrees to prosecute without ^{any} reasonable delay all infringers of said patent, if granted and assigned as aforesaid, and to pay the reasonable expenses of prosecuting said application for patent, and the reasonable expenses of all interferences in which said application is or may be involved: but said Edison shall have the selection of the Attorney for conducting such interferences.

Executed in duplicate, the day and year first above written.

Thomas A. Edison

Approved
W. H. Forbes
Pres.

The American Bell Telephone Co.
By Howard
S. Gardiner

Western Electric Company,

Indianapolis.

Personal

April 15/92

RECEIVED
APR 19 2
ANSWER. D

*Thos Edison Esq
Mato Park*

.....188..

Friend Edison

I have my wife's permission
to accept the 10% - Bygones
were sent the transmitter I talked
so much about it to Vail and
others and promised to show it when
it came I was therefore greatly
disappointed in not receiving it

Kind regards to Mrs Edison
and the children

*Yours Very Truly
E. T. Gilliland*

Sent me *apertu*
 Carlson *5 AM*
 Sent for *Miss*
and

Islip Lnd	175
Baltimore Md	175
Washington DC	175
Albany NY	175
Albany NY	175
Providence R.I.	175
Boston Mass	265
Cleveland O.	265
Cincinnati O.	265
Columbus O	265
Toronto Can	265
Montreal Can	275
Chicago Ill	275
Minneapolis Wis	275
Indianapolis Ind	275
Ashtabuck Mich	450
New Orleans La	360
Kansas City Mo	725
Denver Col	900
San Francisco Cal	900
San Francisco Cal	980
Philadelphia Pa	980
Philadelphia Pa	725

Blank No. 1
THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, having its liability, which here
 has assumed to be for service of the Company's lines.
 Service not be provided unless the sender has a message back to the office of origin, and the
 sender will not hold liable for service of messages in violation of the Company's regulations.
 The Company is an INCORPORATED body in the State of New York.
 A. S. BRADY, Secy. *W. W. C. C. C. C.*

Dated *Baltimore 27* 188 *2*

Received at **791 BROADWAY.**
Wm. Thomas Edison

65 Dave
 The telephone office
 has been improved by
 consolidation competition
 in the Exchange business
 unsatisfactory to the public
 because they were required
 to pay for two 2 Exchange
 connections instead of
 one a *G. Davis*

READ THE NOTICE AT THE TOP.
 THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
 WHERE ANY REPLY SHOULD BE SENT.
 Direct Wires.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY

les - 18 Ball

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been prescribed by the several States and Territories in which it operates, and the laws of the United States in relation to telegraph messages, and the laws of the several States and Territories in which it operates, and the laws of the United States in relation to telegraph messages, and the laws of the several States and Territories in which it operates.

A. H. BREWSTER, Secy. *570* MORVIN GREENE, President

Dated *new Orleans 2-1882*

Received at **791 BROADWAY, Apr 22**

to Thomas A. Edison

65-5 ave ny

READ THE NOTICE AT THE TOP.

We have had no opposition but are firmly convinced that the public interest is served by a consolidation of interests under proper management

W. H. Bofinger
The La Tel Co

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY

les - 60 Ball

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been prescribed by the several States and Territories in which it operates, and the laws of the United States in relation to telegraph messages, and the laws of the several States and Territories in which it operates, and the laws of the United States in relation to telegraph messages, and the laws of the several States and Territories in which it operates.

A. H. BREWSTER, Secy. *495* MORVIN GREENE, President

Dated *Providence R.I. 22*

Received at **791 BROADWAY, Apr 22**

to Thomas A. Edison

65-5 ave

READ THE NOTICE AT THE TOP.

Energetic competition at the outset brings a telephonic system to public notice but after the people have become alive to its usefulness I think best service and cheapest rates can be given under one management. Several exchanges would each have a smaller number of subscribers unless allowed duplicated, which would be a needless expense.

J. W. Dinsbury Esq
Providence R.I.

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Blank No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Board of the following names:

A. H. BREWSTER, Secy.

les 4 ~~5~~ Call

507 NORVIN GREEN, April 6

Date: Columbus O. 2282

Received at 791 BROADWAY, April 22

to Thos. A. Edison
65-3 Ave NY

READ THE NOTICE AT THE TOP.

Telegram rec'd. I thought
see how a fair comparison
can be made when
there were off station
Companies the system
of exchanges was a
whether competition
would have or would now
produce better results
is an open question without
experience to base an
opinion upon
J. W. A. David

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Blank No. 1

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Board of the following names:

A. H. BREWSTER, Secy.

les - 49 Call

507 NORVIN GREEN, April 6

Date: Detroit Mich 22 1882

Received at 791 BROADWAY, April 22

to Thomas A. Edison
65-3 Ave

READ THE NOTICE AT THE TOP.

In my opinion the public
has been emanently better
served since the consolidation
then service improved
and universal facilities
afforded at less relative
cost. Rival Exchanges
where there has been no
competition could or would
not be of public benefit
as the service to patrons
must be restricted
W. A. Jackson
Mich. Ingr

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Received Messages
Edisons *Apr 23*

Chicago Ill - \$2.35 +
 Montreal Cana - 2.02
 New Orleans La - 1.60
 Baltimore Md = 67
 Providence R.I. = 1.23
 Columbus Oh = 1.42
 Detroit Mich = 1.64
 Germantown Pa = 15
 Albany N.Y. = 1.19
 Indianapolis Ind = 1.10

Recvd msg = = \$ 13.67
 Sent msg = = \$ 72.55
 \$ 86.22

Form No. 1
THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and DELIVERS messages and its conditions, starting its transmission as provided in the general conditions of the Western Union Telegraph Company. Messages are transmitted by the Western Union Telegraph Company and its affiliates. The Western Union Telegraph Company is a subsidiary of the Western Union Telegraph Company.

A. H. BREWSTER, Secy. *62* (NEW YORK, N.Y.)
 Dated *Albany N.Y. 23* 188*2*
 Sent at *791 BROADWAY.* *Apr 23*
 To *Wm A. Edison 65-5th*

READ THE NOTICE AT THE TOP.

In our territory covering fifty miles each direction from Albany city the public are directly better pleased since consolidation before this many were compelled to have both those who thought they could not afford either had neither of them to subscribers. I believe they would almost unanimously say they were better pleased.

IF THIS MESSAGE HAS JUST BEEN RECEIVED AT THE OFFICE IN 791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT
 Direct Wires *A. H. Brewster*
Genl Mgr

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, and subject to the order of cancellation of messages.
Messages not to be printed or copied only if repeating a message back in the native station for comparison and correction.
Messages not to be printed or copied only if repeating a message back in the native station for comparison and correction.
Messages not to be printed or copied only if repeating a message back in the native station for comparison and correction.

A. H. DREWES, Stry. *70 N. W. 207* *NEW YORK, Brooklyn*

Dated *Indianapolis Ind 4/23*

Received at *791 BROADWAY, New York*

To *Thomas A Edison 65 3rd*

READ THE NOTICE AT THE TOP.

*Public benefited by consolidation
increasing number between
whom communication may
be had rivalry stimulates
to good service but self
interest will prompt
Consolidated company to
procure best apparatus and
management*
W W Smith

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, and subject to the order of cancellation of messages.
Messages not to be printed or copied only if repeating a message back in the native station for comparison and correction.
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Messages not to be printed or copied only if repeating a message back in the native station for comparison and correction.

A. H. DREWES, Stry. *NEW YORK, Brooklyn*

Dated *Beverly Hills Calif 4/23*

Received at *791 BROADWAY, New York*

To *Thomas A Edison*

READ THE NOTICE AT THE TOP.

65-5th Ave
*Mr Dentry absent
from home will be
communicated with
immediately*
Mrs Dentry

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

NIGHT MESSAGE.**THE WESTERN UNION TELEGRAPH COMPANY.**

THIS COMPANY TRANSMITS AND DELIVERS messages only on conditions limiting its liability, which have been annexed to the contract of the following message. Messages are not carried unless they are received at a message rack in the sending station for transmission, and the company will not be held liable for errors or delays in transmission or delivery of Messages, Night Messages, or in the delivery of telegrams, except a non-event by them. The amount paid for transmission is not refunded in whole or in part unless the message is not received in writing within a reasonable time after receipt by the receiver.

THIS IS AN UNREPEATED NIGHT MESSAGE and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
0785	Geo	Ke 1st Collect nm	3 x W

Received at the WESTERN UNION BUILDING, 195 Broadway, New York. Apr 20. 1882.

Dated, Chicago 22
 To Thomas A. Edison.
 65- Fifth ave ny
 Before Consolidation Edison Exchange here
 had fourteen hundred forty subscribers,
 battery system Bell Exchange fifteen
 hundred seventy nine, magneto system
 total less three hundred duplicates

NIGHT MESSAGE.**THE WESTERN UNION TELEGRAPH COMPANY.**

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THIS IS AN UNREPEATED NIGHT MESSAGE and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
0785			

Received at the WESTERN UNION BUILDING, 195 Broadway, New York. Apr 20. 1882.

Dated,
 To
 Where subscribers had both telephones,
 twenty seven hundred and seventeen,
 in eighteen central offices average
 daily number of telephone connections
 made fourteen thousand, average annual

NIGHT MESSAGE.**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been specified in the tender of the following message. It does not guarantee the accuracy of messages sent to the receiving station or operators, and the company will not hold itself liable for incorrect prices in transmission or delivery of Unrepeated Night Messages, such as reduced rates, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within the time specified.

This is an UNREPEATED NIGHT MESSAGE and is delivered by request of the sender, under the conditions stated above.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY
0785		

CHECK

Received at the WESTERN UNION BUILDING, 195 Broadway, New York.

22 Apr 1882.

Dated,

To

rental received sixty dollars this
 was April eight one. Total
 subscribers now twenty six hundred
 and fifty almost entirely magnets,
 ten central offices average daily

NIGHT MESSAGE.**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been specified in the tender of the following message. It does not guarantee the accuracy of messages sent to the receiving station or operators, and the company will not hold itself liable for incorrect prices in transmission or delivery of Unrepeated Night Messages, such as reduced rates, beyond a sum equal to ten times the amount paid for transmission; nor in any case where the claim is not presented in writing within the time specified.

This is an UNREPEATED NIGHT MESSAGE and is delivered by request of the sender, under the conditions stated above.

NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY
0785		

CHECK

Received at the WESTERN UNION BUILDING, 196 Broadway, New York.

Apr 23 1882.

Dated,

To

Connections made twenty one thousand.
 average annual rental one hundred
 eleven dollars. Work of consolidating
 exchanges and unifying system not
 yet complete, has interfered considerably.

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed by the sender of the following messages.
 Delivery of Unrepeated Night Messages, sent at reduced rates, beyond a date equal to ten times the amount paid for transmission; and in any case where the claim is not paid within the period specified by the sender.
 Delivery of Unrepeated Night Messages, sent at reduced rates, beyond a date equal to ten times the amount paid for transmission; and in any case where the claim is not paid within the period specified by the sender.
 Delivery of UNREPEATED NIGHT MESSAGE and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
0485			

Received at the WESTERN UNION BUILDING, 196 Broadway, New York.

⑤

April 22 1882.

Dated _____

To _____

With good service and simultaneous
 advance of rental. Aggravated complaint
 now service fair improving. Daily
 exchange growing fifty subscribers per
 month. Public pay increased rate

NIGHT MESSAGE.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed by the sender of the following messages.
 Delivery of Unrepeated Night Messages, sent at reduced rates, beyond a date equal to ten times the amount paid for transmission; and in any case where the claim is not paid within the period specified by the sender.
 Delivery of Unrepeated Night Messages, sent at reduced rates, beyond a date equal to ten times the amount paid for transmission; and in any case where the claim is not paid within the period specified by the sender.
 Delivery of UNREPEATED NIGHT MESSAGE and is delivered by request of the sender, under the conditions named above.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
0485			

Received at the WESTERN-UNION BUILDING, 196 Broadway, New York.

6

April 22 1882.

Dated _____

To _____

and uses telephone proportionally, prior
 to consolidation public opinion demanded
 it. Believe in but one
 exchange and that two cannot
 permanently exist
 Let Day and men Chicago

Form No. 44.

NIGHT MESSAGE. THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELAYS messages only on conditions limiting its liability, which have been accepted to by the sender of the following message. Errors can be avoided against only by repeating a message back to the sender before its transmission, and the sender will not hold the Company liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, and the amount of amount paid for transmission; and in any case where the claim is not presented in writing within three days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is covered by the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
0723	AKW	S3	Collection

Received at the WESTERN UNION BUILDING, 195 Broadway, New York. Apr 23 1882.

Dated Milwaukee wis 23

To Tho a Esom
65, Fifth avenue

He services better today than
ever as the business better
understood during the competition it
was present as it was
growing so rapidly and the

Form No. 44.

NIGHT MESSAGE. THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELAYS messages only on conditions limiting its liability, which have been accepted to by the sender of the following message. Errors can be avoided against only by repeating a message back to the sender before its transmission, and the sender will not hold the Company liable for errors or delays in transmission or delivery of Unrepeated Night Messages, sent at reduced rates, beyond a sum equal to ten times the amount paid for transmission; and in any case where the claim is not presented in writing within three days after sending the message.

This is an UNREPEATED NIGHT MESSAGE, and is covered by the conditions named above.

THOS. T. ECKERT, General Manager. NORVIN GREEN, President.

NUMBER	SENT BY	REC'D BY	CHECK
		ms	

Received at the WESTERN UNION BUILDING, 195 Broadway, New York. _____ 1882.

Dated, business so new, Competition would
To be very bad for the public
as nearly all subscribers
would be compelled to patronize
both this has been the experience in all
large cities and in places where competition
just ceased the Company have taken out
twenty five percent of combined total as

Form No. 44

NIGHT MESSAGE. THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. It is not responsible for errors or omissions in the sending or receiving of messages, and the company will not hold itself liable for errors or omissions in transmission or delivery of telegrams. Night messages, sent as ordered here, beyond a sum equal to ten times the amount paid for transmission, are in any case subject to the conditions of service. This is an UNRECEIVED MESSAGE, and is returned to the sender, under the conditions named above.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President.

NUMBER

SENT BY

REC'D BY

CHECK

Received at the WESTERN UNION BUILDING, 185 Broadway, New York.

1882

Dated,

To be many had me of each system

C. H. Haskins
pres.

Form 2.

MUTUAL UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages on condition, limiting its liability, which have been assumed to by the sender of the following message. Errors can be remedied only by repeating a message back to the sending station for correction, and the Company will not hold itself liable for errors or delays in transmission or delivery of UNREPEATED MESSAGES.

JOHN O. EVANS, Pres't.

JAS. GAMBLE, Gen'l Manager.

CHAS. F. PECK, Sec'y.

5 Cf 25 | 930 | 113 Cee 229
 Dated, Washington DC 24 | Rec'd at 148 THIRD AVE.
 To Show a Edison | 24 | 188
 65 - Fifth Ave

In my opinion the Public were not better served when there were rival telephone exchanges here. The incentive to improve the service is as great now as before consolidation. The establishment of rival

READ THE NOTICE AT THE TOP.

Form 2.

MUTUAL UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages on condition, limiting its liability, which have been assumed to by the sender of the following message. Errors can be remedied only by repeating a message back to the sending station for correction, and the Company will not hold itself liable for errors or delays in transmission or delivery of UNREPEATED MESSAGES.

JOHN O. EVANS, Pres't.

JAS. GAMBLE, Gen'l Manager.

CHAS. F. PECK, Sec'y.

Rec'd at 148 THIRD AVE.
 Dated, |
 To Exchange is not advantageous to 188
 the public because it compels the public,
 if they want complete facilities to pay for
 two exchanges instead of one. One exchange
 if properly managed can give all the
 facilities of two - I do not see that
 competition now in the interest of the

READ THE NOTICE AT THE TOP.

Form No.

MUTUAL UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed to by the sender of the following message. Errors can be pointed against only by repeating a message back to the sending station for comparison, and the Company will not hold itself liable for errors or delays in transmission or delivery of UNREPEATED MESSAGES.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender under the conditions named above.

JOHN O. EVANS, Pres't.

JAS. GAMBLE, Gen'l Manager.

CHAS. F. PECK, Sec'y.

Date,

Rec'd at. 148 THIRD AVE.

To business moved to confidential with 188
to the telephone interest or to the public.
But I should say a government
monopoly of it would be unfortunate
Name Chouteau, Rux
National Capital Telephone Co

READ THE NOTICE AT THE TOP.

Blank No. 1

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Federal Government. It is not responsible for any delay or loss of messages or for any damage to property or for any loss of money or other property. It is not responsible for any delay or loss of messages or for any damage to property or for any loss of money or other property.

A. H. BREWER, Sec'y. 489 NORVIN GREEN, President

Dated at New York April 24 1882

Received at **791 BROADWAY.** Apr 24
St. Thos A. Edison 63-3 Ave

From Colorado experience I judge the telephone service has been improved by consolidation & believe rival exchanges could only benefit public in stimulating perfection in office apparatus do not believe in other respects they would benefit public from nature of service but would be objectionable in many ways

J. O. Vaill
Mgr Col Tel Co

READ THE NOTICE AT THE TOP

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been approved by the Federal Government. It is not responsible for any delay or loss of messages or for any damage to property or for any loss of money or other property.

A. H. BREWER, Sec'y. 357 NORVIN GREEN, President

Dated at Pittsburg Pa 1882

Received at **791 BROADWAY.** Apr 24
St. Thos A. Edison 63-3 Ave

Am of the opinion that the service has been improved since consolidation & the community better served through the medium of one exchange & that rival exchanges would not be ~~the~~ benefit to the Public

answer
Henry Metzger
Genl Mgr

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,
WHERE ANY REPLY SHOULD BE SENT.
Direct Wires.

READ THE NOTICE AT THE TOP

Form No. 2

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, having its headquarters in Canada, that the sender of such messages shall be responsible for the accuracy of the same, and that the sender of such messages shall be held liable for the same, and that the sender of such messages shall be held liable for the same, and that the sender of such messages shall be held liable for the same.

A. H. BREWER, Sec'y.

Dated Toronto 27 1888

Received at 781 BROADWAY.

By Thos A Edison

65 Blue

READ THE NOTICE AT THE TOP.

Telephone exchange service in Canada has been vastly improved and extended since consolidation of interests rival exchanges impracticable and therefore undesirable

M. J. Dwight

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE

781 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Form No. 2

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, having its headquarters in Canada, that the sender of such messages shall be responsible for the accuracy of the same, and that the sender of such messages shall be held liable for the same, and that the sender of such messages shall be held liable for the same.

A. H. BREWER, Sec'y.

Dated Toronto Oct 24 1888

Received at 781 BROADWAY.

By Thos A Edison

65 Blue

READ THE NOTICE AT THE TOP.

Is this such an answer as you want

M. J. Dwight

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

781 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

March No. 3.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been presented to the order of the following names:

A. H. BREWER, Secy. *67 NORVICH GREEN, Boston*

Dated *Boston* 1888

Received at **791 BROADWAY.** *April 27*

To *A. A. Edison 675 57th*

READ THE NOTICE AT THE TOP.

*Advance permitted earlier reply
any opinion by consolidation
only can be obtained the
best and cheapest service
to the public our experience
proves beyond controversy
that improvement of service
in all case has followed
consolidation & taking into
consideration the increased
service given to subscribers
the service has been
given cheaper in every case*

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN
791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

March No. 3.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been presented to the order of the following names:

A. H. BREWER, Secy. *67 NORVICH GREEN, Boston*

Dated _____ 1888

Received at **791 BROADWAY.** *April 27*

To _____

READ THE NOTICE AT THE TOP.

*where exchanges were established
and rival exchanges started
the result was unsatisfactory
to both companies and to
all subscribers in case of
two rival exchanges in
any except the very large
cities. It would only be
a question of time when one
of them would practically
monopolize the business.*

Wm. M. Vail

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which have been accepted by the public and are published in the following form for information, and the Company will not be held responsible for any loss or damage to messages or for any delay in the transmission of messages in an UNRELIABLE SERVICE. Messages are transmitted in accordance with the conditions and regulations published in the WESTERN UNION TELEGRAPH COMPANY'S REGULATIONS.

A. H. BREWER, Sec'y. 10 NORVIN GREEN, President.

Dated San Francisco Cal 23 188 2

Received at San Francisco Apr 23

To Shos A Edison 6 S. Stog

READ THE NOTICE AT THE TOP.

Competition here was too small to affect result under efficient Management Consolidated Company should give Equally good services at less Cost Greater obstacle to Satisfactory service in large Exchange is unlimited. Switching I think is London several separate exchange each one reaching special class of subscribers like of Exchange New York but all under one Central method succeed & a switching method improve the separate exchange can

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which have been accepted by the public and are published in the following form for information, and the Company will not be held responsible for any loss or damage to messages or for any delay in the transmission of messages in an UNRELIABLE SERVICE. Messages are transmitted in accordance with the conditions and regulations published in the WESTERN UNION TELEGRAPH COMPANY'S REGULATIONS.

A. H. BREWER, Sec'y. NORVIN GREEN, President.

Dated _____ 188 _____

Received at _____

To _____
 gradually merged with unlimited switching & present methods I think difficult give good service to over two thousand connecting stations but charging for each switch will drop fifty or eighty percent unnecessary call

READ THE NOTICE AT THE TOP.

Go f Shadd

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the message. It reserves the right to suspend service or to terminate a message back to the sending station for non-payment of charges. It will not hold itself liable for errors or omissions in transmission or delivery of messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BHEWEEZ, Sec'y. NORVIN GREEN, President.

Dated Albany N.Y. 1887

Received at 791 BROADWAY. apl 27

To Wm. Wood Edison 65 Bond

READ THE NOTICE AT THE TOP.

*find your message on my
return this morning there
is no doubt that public
were better served prior
to consolidation in some
ways the service has
been improved since consolidation
but damaged much more
I believe the public would
be benefited by the established
of rival enterprises*

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the following message. It reserves the right to suspend service or to terminate a message back to the sending station for non-payment of charges. It will not hold itself liable for errors or omissions in transmission or delivery of messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BHEWEEZ, Sec'y. NORVIN GREEN, President.

Dated _____ 1887

Received at 791 BROADWAY. apl 27

To _____

READ THE NOTICE AT THE TOP.

*in all case consolidation
so far have only reduced
competition & expense
to the companies & placed
the companies in shape
to advance rates to their
patrons which they
must either pay or
abandon instrument*

THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Wm. Wood Edison

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company transmits and receives messages only on condition, limiting its liability, which have been accepted by the sender of the following message, to the sending station for compensation, and the Company will not hold itself liable for errors or delays in transmission or delivery of messages sent in violation of these conditions.

This message is an unrepeated message and is delivered by request of the sender.

A. H. BREWSTER, Secy.

W. A. Green, President

Dated Cincinnati, O. 24/88.

Received at 791 BROADWAY. *copy*

To Mr. A. Edison *copy*

In my opinion the public are better served where there is but one company provided the management is first class & the service kept up to the highest possible standard nothing tended so effectively to destroy the opposition we had here as poor service since the closing of the other lines.

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

READ THE NOTICE AT THE TOP.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company transmits and receives messages only on condition, limiting its liability, which have been accepted by the sender of the following message, to the sending station for compensation, and the Company will not hold itself liable for errors or delays in transmission or delivery of messages sent in violation of these conditions.

This message is an unrepeated message and is delivered by request of the sender, under the conditions stated above.

A. H. BREWSTER, Secy.

NORVIN GREEN, President.

Dated _____ 1881.

Received at 791 BROADWAY. *copy*

To _____

have maintained our service up to standard just as though we had competition.

*W. A. Green
Genl. Manager*

READ THE NOTICE AT THE TOP.

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Insull.

Calligram for
Gouvard

based on experience here
 It is my opinion that rival telephone
 Exchanges in one city can never prove
 satisfactory either to their stockholders
 or the public. While competition
 may reduce the price, the public
 must become subscribers to both
 Exchanges to obtain any degree of
 benefit to reach all, and the double
 charges will necessarily be greater
 than that of a single Company
 otherwise furnishing all the
~~subscriber~~ facilities to all,
 besides the service will be
 better under one management.
~~and that the obvious reason~~
 as every subscriber may be connected
 to another, which is impossible of part

[ATTACHMENT]

belong to one exchange and
part to another.

Key to success it is
essential that the service
be efficient in order
to keep subscribers
therefore self interest
demands good service
which I do not think
can be improved by
competition. when
there are rival exchanges
it is impossible to earn
dividends as heavy
administrative expenses
will not allow of any low
rates & it is unprofitable.

~~low rates~~ & where ~~involving~~
 competition ~~rates~~ ~~open~~
 the public are not satisfied
 by low rates as ~~there~~
 is the general deterioration
 of the ~~stability~~ of
 Co. If there are two
 rival exchanges subscription
 fifty dollars to each
 in my opinion it would
 be better to unite the
 two charge hundred
 dollars subscription in

Subject

Telephone Exchange Service

ED. S. LADD, PRES. & CHM.

W. D. WHITE, SECY. & TREAS.

OFFICE OF THE
PACIFIC BELL TELEPHONE CO.

N. 222 SANSOME ST.

H. BEECHWOOD, VICE PRESIDENT.

W. L. SARRIS, SUPERINTENDENT.

San Francisco, April 24, 1882

In reply to your Telegram 22 apr.

No. _____

Thomas A. Edison, Esq,
65 Fifth Avenue,
New York.

my dear Sir:

In reply to your telegram received yesterday,
I sent you the following night message:

" Competition here was too small to affect results.
" Under efficient management consolidated com-
" pany should give equally good service at less
" cost. Greatest obstacle to satisfactory service in
" largest Exchanges is unlimited switching. Think
" in London several separate Exchanges, each one
" reaching separate class of subscribers like
" Law Exchange, New York, but all under one
" control might succeed, and as switching methods
" improve the separate Exchanges can gradually
" be merged.

" With unlimited switching and
" present methods think different give good
" service to over two thousand connecting stations

"but charging for each switch will stop fifty or eighty per cent unnecessary calls".

In further explanation I have to say that the San Francisco Exchange established Feb. 1878 — the pioneer of the Exchange business and equipped with Edison telephones — so fully occupied this field that the Bell Telephone Company was unable at a later date to make appreciable headway against it; therefore competition and subsequent consolidation did not affect the service. But up to the date of the general consolidation in Nov. 1879 the Exchange business everywhere was in a very crude state. The various managers were inexperienced and unskilled, the switching systems imperfect and even the wants of the public were undeveloped. Since that time, under the able and energetic administration of the American Bell Telephone Co., great progress has been made and the service to the public has improved. This improvement, however, is not due to consolidation — it is the result of experience; and it would as surely have followed had competition continued. In fact it goes without saying that the best service is usually developed by active competition. At the same time a vigorous alert management

of a monopoly does not necessarily require the spur of competition and under such conditions, avoiding the expense of double managements, can render the best service at the least cost.

In the larger Atlantic Cities I have observed that the greatest difficulties have arisen from the enormous amount of office work growing out of unlimited free switching. The privilege is abused to the extent of overtaxing the capacity of the operators and machinery to make quick switches: and the most unreasonable of all men is the telephone subscriber who cannot get immediate connection with the person with whom he desires to converse.

Our system, which we have found to work well in practice, is to charge the low rental of five dollars per month within the radius of half a mile of any exchange office and five cents for each switch made. This operates to limit the use of the telephone to strictly legitimate purposes and enables us to give a quick, satisfactory service. The average cost to our subscribers for switching is \$1.⁰⁰ per month, making the whole cost, including rental, say \$78. per annum. If a subscriber telephones

largely be paid proportionately; if he has small use of the system the rate is not prohibitory. If we were to adopt the free switching system and increase our rate to \$10. per month I am satisfied our clerical expense would be trebled, our service deteriorated, and we should lose many subscribers who would not pay \$10. per month for occasional service—particularly in the residential districts.

The "Law Telephone Exchange" in New York is able to command \$15. per month because it is limited to five hundred stations and can therefore handle its calls promptly. It comprises bankers, brokers and lawyers principally among its patrons, very many of whom are also subscribers to the larger system of the Metropolitan Company which charges a lower rate. It occurs to me, therefore, that in a great city like London several separate and independent exchanges (under consolidated management) might each serve its special class of patrons with greater satisfaction than if they were all on one enormous system; and as the machinery and methods improve and a greater number of stations can be satisfactorily handled, these segregated systems can be merged into

me.

Mr. Ball of the Buffalo Exchange has an admirable system which is worthy of your attention. He sells blocks of switching tickets at diminishing rates according to the quantity, they be used within the year. Mr. Forbes and Frank Wail think highly of it and so do I, but I prefer ours.

Very truly yours,

Geo. S. Haddy
President

of the Buffalo Exchange

of the Buffalo Exchange

of the Buffalo Exchange

Blank No. 2.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which has been accepted by the sender and the receiver. Communication in the sending station for transmission, and the receipt and delivery at the receiving station, are the responsibility of the sender and the receiver. The Company is not responsible for messages not received or for messages received in error or for messages not received or for messages received in error or for messages not received or for messages received in error.

A. R. BREWSTER, Secy.

J. S. Calvert 1794-1797
Washington
373

Dated

Mount Ross N.Y. 1888

Received at

781 BROADWAY. *Open*

By

Thomas A. G. Dixon

READ THE NOTICE AT THE TOP.

Close investigation of telephone matters about this country satisfies me that the public is better served now than ever it was. Competition would tend to reduce the rates & thus far satisfy many who wish to be retraced regardless of service profit but the difficulty of drawing lines is a

IF THIS TELEGRAM HAS NOT BEEN RECEIVED AT THE OFFICE

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

Blank No. 2.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which has been accepted by the sender and the receiver. Communication in the sending station for transmission, and the receipt and delivery at the receiving station, are the responsibility of the sender and the receiver. The Company is not responsible for messages not received or for messages received in error or for messages not received or for messages received in error or for messages not received or for messages received in error.

A. R. BREWSTER, Secy.

MORVIN GREEN, President.

Dated

188

Received at

781 BROADWAY. *Open*

By

towns & cities would so tend to interfere with business by the crossing of dead wires of wires that any seeming gain from rivalry will be more than lost by the line troubles alone delay in replying unanswerable
Henry Bentley

READ THE NOTICE AT THE TOP.

IF THIS TELEGRAM HAS JUST BEEN RECEIVED AT THE OFFICE IN

791 BROADWAY, near Tenth Street,

WHERE ANY REPLY SHOULD BE SENT.

Direct Wires.

School of Mines, Columbia College,

CORNER 50TH STREET & 4TH AVENUE,

New York, May 18th, 1882

My dear Edison -

Please accept my
thanks for your kind at-
tention in repairing the tele-
phone for me which came
back the other day

Very Truly Yours

C. R. Chandler

for Gen. D. Fisher

G. D. Mrs. Edison

37

OHIO STATE UNIVERSITY,

May 21/57

Wendell
RECEIVED

MAY 23 1882

ANSWERED

Columbus, O. *May 21* 1882

FILE NO.

Thos. A. Edison Esq.
Mento Park, N. J.

My dear Sir,

Please accept
my thanks for the Carbon letters
received yesterday. I had just broken
the only one I had into a thousand
pieces, by a bit of carelessness -
and was mourning the loss - when there
you kindly sent mine.

I had expected to give myself
the pleasure of sending to you, within
a few days - a copy of a little paper
on the subject of time on the change
of the reluctance of the battery; but
I have just received information of the

loss of a part, with or without it -
was illustrated, while in hands
of the engraver in N. Y. - so I
presume its publication may
be delayed a month.

I hope to be able, through your
kindness, to make some further
study of the remarkable
properties of the buttons - within
the next few months.

I am - respectfully

T. C. Mendenhall

City and Suburban Telegraph Association,

—AND—

Bell Telephonic Exchange,

43 West Fourth Street.

Cincinnati, June 10th 1882

Thos. A. Edison Esq

My dear Sir,

You will pardon the liberty I have taken in sending to you by express a box containing some devices we are using in Cincinnati in connection with aerial cables for Telephone purposes. Our system for hanging cables is quite different from what of the kind done in other cities - We have now quite a number of aerial cables in service - some of them are of fifty conductors - with our devices (lightning arresters and induction killer combined) we are enabled to free the cable of induction entirely; and keep the lightning out - we are working parallel lines of twenty five miles distance; with perfect comfort by placing a few of the induction shells a few miles apart

A. D. BULLOCK, President.

W. H. ECKERT, Gen'l Manager.

City and Suburban Telegraph Association,

—AND—

Bell Telephonic Exchange,

48 West Fourth Street.

2

Cincinnati, _____ 1888

upon each of the lines - I have
been asked to send some of our
devices to different parts of the
country; and while putting up the
packages ~~put up~~ one for you to
show you we are trying to grow
with this wonderfully growing thing
or rather keep pace with the demand
made for increased facilities.

Very truly yours

W. H. Eckert

WHE

Thank him for sending them
Have examined them & found them
4c

THE EDISON ELECTRIC LIGHT CO.
45 FIFTH AVENUE.

New York, 2nd Oct 1882

307

Col Geo W. Dyer
Locks Box 100
Washington D.C.

Dear Sir

Enclosed please
find Mr Edison's check
for \$807.50, in settlement
of Magneto Call a/c.

Kindly ack receipts
Very truly yours

Saml Insull

Washington D.C. October 3, 1882.

Received the above in the amount
above stated.

Geo. W. Dyer,

answered
Dec 26 1882

RAMUEL WADE LAWRELL, D.
Fifth and West First at St. Louis, Mo.
JOSEPH G. NORWOOD, LL. D.
Dean of Medical Faculty,
JOSEPH FICKLER, Ph. D.
First Superintendent of Leavenworth,
GEO. C. SWALLOW, LL. D.
Dean of Agricultural Faculty,
PAUL SCHWETZEL, Ph. D.
Prof. of Chemistry,
HON. PHILEMON DUNHAM, LL. D.
Dean of Law Faculty,
HON. BOYLE GORDON,
Dean of Law,
ANDREW McALESTER, M. D.
Prof. of Surgery,
Wm. A. CAUTHORN, A. M.
Asst. Prof. of Mathematics,
S. M. TRACY, M. S.
Prof. Botany & Zoology,
M. M. FISHER, D. D.
Sole Agent of Education,
THOMAS J. LOWRY, C. E.
Dean of Engineering Faculty.

UNIVERSITY OF THE STATE OF MISSOURI

Columbia, Boone Co., Mo. Dec 27 and 1882

DAVID R. McANALLY, Jr., A. M.
Prof. of English,
MISS GLACE C. BERRY,
Dean of Normal Faculty,
JOHN H. DUNCAN, M. D., LL. D.
Prof. Preceptor & Scientific Institute,
WOODSON MOSS, M. D.,
Prof. of Anatomy,
A. F. FLEET, A. M.,
Prof. Greek & Comparative Philology,
JAMES SHANNON BLACKWELL,
Ph. D.,
Prof. Natural & Med. Languages,
GEO. HUMANN,
Prof. of Pedagogy & Primary,
LEOP. FLANK F. BLAIR, LL. D.,
Sole Military Secretary & Tutor,
CONRAD BORELL,
Prof. of Art,
MRS. O. A. CAHR,
Prof. Typogr.,
J. H. DRUMMOND, A. B.,
Citation and Printer.

Thos. A. Edison Esq.

Dear Sir.

Please send me by mail
one dozen carbon buttons, used in your carbon transmitter.
During the Montreal meeting of the American Association
there was some discussion over the behavior of the button
under pressure, & I desire to investigate the matter here.
I applied to the Western Electric Co., and they referred me to
you.

Very Truly Yours
Benj. S. Thomas.

1882. Telephone - Foreign - Chile (D-32-054)

This folder contains correspondence, articles of incorporation, and other documents relating to the promotion of the telephone in Chile. Most of the correspondence is by Jose D. Husbands, Edison's agent in Chile. Some of the documents deal with the Anglo-Pacific Electric Light, Telephone & Power Company, a Chilean company organized by Husbands. Other documents pertain to Husbands' estrangement from Edison.

All the documents have been filmed except for duplicate copies of selected documents and copies of cable messages filmed in Letterbook, LM-001 (Letterbook Series).

THE ANGLO PACIFIC ELECTRIC LIGHT TELEPHONE & POWER COMPANY,
LIMITED

EXECUTIVE OFFICES.

31, QUEEN VICTORIA STREET.

LONDON June 5th 1882.

Thomas Alva Edison Esq.

Mento Park New Jersey U.S.A.

My dear Sir,

I beg to acknowledge your favor of May 23rd in which you confer my cable-grams and state you regret that your contracts were such do not permit me to use your name as Consulting Electrician on the prospectus in regard to the light as well as the telephone.

Your contract with me in regard to telephones for the West Coast of South America and, also your assignments to the Chile Company gave your good will, cooperation advice and assistance for all your inventions in telephony made to be made, owned or controlled by you, which not only legally gives me the right to use your name in regard to telephones but morally.

I enclose you herewith my statement as sent to the London Stock Exchange which tells its own story. I regret exceedingly that my

my services and cooperation with you should terminate with you in such an imfitting manner as I had not the slightest idea that any one could construe you to be a Consulting Electrician to a Brush Electric Light Company. You have through Colonel Gouraud's action I believe in conjunction with Messrs Arthur Anderson & Co, prevented me from getting my capital with no benefit to you or them in any manner. Provided your so called friends had so operated instead of having sought my ruin I should have endeavoured to place my utmost endeavours to promote the interest of your inventions generally, and have not to this moment done anything in regard to the same which can be against your interest.

If the invalidity of your telephone patent here has caused you losses in the sale of other patents it is not affair of mine, and if your early representatives here had worked to the same extent that I did in South America you might have had as good patents in Great Britain as you had in South America.

It is a poor repay for services in the field to snatch my hard earned rewards from me just at the moment that I was about to receive the same.

I

I do not for a moment think you would intentionally hurt me, but facts remain just the same, and I say frankly, that I do not see how you could have been the great Wm. Gaison of today but for such loyal and faithful services as have been rendered by your representatives abroad, including myself.

I am not a schemer nor an adventurer but endeavoured to earn my money by hard work and legitimate and truthful representations and would have been much more pleased had you aided me in the matter.

You have seen fit to leave me alone in my hour of trouble instead of triumph and I would be much obliged if in reply to this you would be kind enough to state in your own hand writing (over your own signature) whether or not you alone the old friendship and cooperation and good feeling to exist between us, or if you consider you self so independent, now of old friends as to forget the days they were of benefit to you.

I have no ill feeling towards you and realize with your great reputation and large means that you are perhaps independent of any one man but, be this as it may I have acted honestly and faithfully towards

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towards you, and I desire from you an expression that I may know exactly the degree of confidence that may hereafter be reposed in you if it suits you to drop matters as they are I shall not complain, feeling that loyalty and faithful cooperation should have received a recognition beyond that which you have given me.

I mean no offence, but feel myself again injured by you without any proper cause or justification and would a great deal rather not depend upon your friendship unless you desire to feel the same. I started in the telephone business from your laboratory and have endeavoured to improve my opportunities to such an extent that I am no longer dependent upon any one man any more than you are. If you desire the good feeling to continue that has in the past existed I shall be most happy.

I am, your faithfully,
Josiah A. H. H. H.

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Strictly Private.

For the use of the Committee of the London Stock Exchange only.

Husbands

*To the Committee of General Purposes of the London
Stock Exchange.*

STATEMENT OF JOSÉ D. HUSBANDS,

As to the conduct of Messrs. ARTHUR ANDERSON & CO., Brokers
and Members of the London Stock Exchange, in
connection with

THE ANGLO-PACIFIC ELECTRIC LIGHT, TELEPHONE
AND POWER COMPANY, LIMITED.

I desire to state, for the information of your Committee, that I am the promoter and founder of said Company, the prospectus of which is herewith enclosed, and also the vendor of the several businesses proposed to be acquired by the Company. On or about the 12th day of May, 1882, Mr. John Sjong, from the office of Messrs. Arthur Anderson & Co., called at my office, No. 51, Queen Victoria Street, E.C., and informed me that this firm were desirous of acting as brokers of this Company, he having heard from some members of the firm an expression of their wish to do so. No further attention was paid to this for the moment. In the course of a day or two—say on the morning of the 16th day of May, 1882,—V. Barrington Kennett, Esq., one of the Directors of the Anglo-Pacific Electric Light, Telephone and Power Company, Limited, came to my office and asked if I had yet arranged with brokers. I stated that I had not yet arranged, but was negotiating with one of the first firms in London. He then said that Mr. Anderson had either called or sent a note (I am not positive which) stating a desire that his firm should be appointed to act as brokers for this Company, and that he (Mr. Kennett) positively knew, from assurances made him by Mr. Anderson, that I and the said Company could rely on obtaining the faithful services of this firm. Mr. Kennett also spoke to me at the same time in strong terms of the eminence and responsibility of the firm and their position on the Stock Exchange.

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Relying upon this information, I called upon Messrs. Anderson & Co., in the afternoon of the 15th day of May, 1882, and had an interview with Mr. Arthur Anderson personally in his private room. He asked me if I had offered the business to any other brokers, and I then told him I had taken it to one firm, and that the reason why I had not come to him before was that I did not feel I could get justice done to me and my Company by his firm, inasmuch as I considered their interests were bound up with business of a similar kind to that proposed to be carried on by this Company, which therefore might possibly become an opposition to his clients. He said that he knew something of the business and it looked very well, and if I allowed his firm to be employed, they would use their best endeavors to promote the success of the business. From his assurances I was not to believe that I should receive justice, support, and fair treatment from his firm, that I at once asked that his firm should act as brokers, and desired him to accept the employment directly, and I handed him a good prospectus of the Company. He said the business looked first-rate in every particular and he thought it would float, but could not give me a definite answer until he had looked over the prospectus and consulted one other person; that if I pressed the matter so as to require an immediate answer he would be obliged to say "No," but if I waited until 2 o'clock the following day he would probably give me a favorable reply. I then stated that time was of urgent importance, but that I would consent to wait for one more day and would call for his answer to-morrow. We talked about the legitimacy of the business, that this Company was formed and would acquire a going business for the purposes of legitimate commercial enterprises, and would in no manner be similar to other Electric Light Companies whose shares were going to such an inflated price. He said it looked very well and would go off beyond a question, the only doubt in his mind being whether or not it interfered with his arrangements with another person (which person I believe to be Colonel George Edward Gouraud, for whom he was about to bring out an Edison Electric Light Company). After expressions of goodwill and co-operation we separated to meet on the following day at 2 o'clock, at which time he promised to give me a positive answer after having consulted his friend, the person to whom he had before referred.

The following day, at 1.40 in the afternoon, I called in company with Mr. John Walsh, of 39, Lombard Street. As we entered the office we observed one to the other, that it was a little early (being 20 minutes before the time appointed). Some of the clerks in the office informed us that Mr. Anderson was in the House, and would be in shortly, and one of them went to fetch him. He came in, and after being introduced to Mr. Walsh, said he was very sorry that he could not give me his answer as he had been unable to see his friend, although he had been looking for him, and sending notes to him throughout the day, and that moment a clerk, from his office was engaged in hunting him up, with instructions not to leave the matter until he had "run him to earth," and that he would give me his answer the moment he received word that he had been found, which might occur at any moment. Also that he had looked the matter over care-

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fully, and he saw no objection to accepting the management of the affair as brokers for the Company unless his friend objected, which he was quite sure he would not. We were told to drop in about four o'clock. At about that hour we again entered the office (Mr. Walsh and myself), when he said that he had seen his friend, and he saw no conflicting interest or had any objections to the matter being arranged, and that he would allow the use of his firm's name, and that they would act as brokers for the Company.

Having accepted, he said, "Now, Mr. Husbands, what do you propose in the way of our fees?" I stated that I did not wish his firm to work for nothing, and was willing to pay handsomely, as I wanted first-class services, attention, and influence, and wished to pay a sufficient sum to ensure my obtaining them. Considerable conversation ensued in regard to this matter, which ended in this way—by Mr. Anderson stating that they had no regular fee, as it was always a matter of agreement. I asked him repeatedly to name his terms, which he answered by asking "What will you give?" And I said I was the services of their firm we desired, and that I had no right to make terms for the same; and after being pressed for a reply, stated that I was willing to give 1,000 guineas. He answered immediately by stating that they never took any commission for a less sum than that, under any circumstances, and that he was going to name 2,000 guineas, which was the usual fee for companies of this description, and, in addition, two shillings per share commission on all allotted shares bearing their stamp. I stated that I was willing to pay the sum named if he would render me faithful and loyal services in the floating my Company; also that I was aware that it was an extraordinary price, and in consequence desired the desired interest in the business on their behalf. There was some discussion about the large amount, and Mr. Anderson afterwards stated that he might be willing to take 1,500 guineas, as this seemed to be an exceedingly good offer. I stated, in answer to that, that I was willing to pay 2,000 guineas if he would use his best endeavors to float the Company, which, he assured me he would do. I talked very frankly at this interview in order to avoid any misunderstanding, and made my excuses to Mr. Anderson for doing. He answered by saying he liked to do business in that manner, and in no way took offence at my earnestness to secure proper services, influence, and co-operation without regard to price. After advising with him as to advertising, prospectuses to be sent out, &c., we parted, I feeling gratified at securing the co-operation of a firm so eminent in their line of business.

Upon the following day in the afternoon I again visited the office of Messrs. Anderson & Co., with Mr. H. H. Elliott, of No. 21, Queen Victoria Street, when Mr. Anderson was not in, and did my business with Mr. Wilson and another gentleman whose name I do not know, but who, I was led to believe, was a partner in the firm. I stated the arrangement I had made the previous day with Mr. Arthur Anderson in person, and informed them that I had submitted the matter to our Board of Directors and that the appointment of their firm as brokers was satisfactory to the Directors as well as to myself,

but that the fee to be paid for their services should secure us their very utmost endeavors, and the obtaining of a special settling day, and the quotation of the Shares of the Company in the Official List. They informed me that they could not guarantee such, as there might be a legal difficulty over which they had no control, but, so far as their best endeavors and influence were concerned, it should be freely given, and upon this point there was no question. I dictated a letter to the shorthand writer in their presence which stated the consideration to be paid by me for their services as Brokers as to the agreement on my part, which I signed. After this letter was written they gave me a press copy of the same, a copy of which is appended hereto. At the same time a letter from Messrs. Anderson and Co. to me was dictated by one of them to their shorthand writer and was referred to Mr. Arthur Anderson, who had in the meantime arrived. He, having read this letter, expressed his assent thereto as well as to the letter which I had written, and stated that all was according to agreement and satisfactory, and he requested me to send to his office some prospectuses of the Company, and the matter would be vigorously proceeded. Mr. Eldred and myself talked frankly and freely to the better understanding of the agreement and its interpretation as herein expressed.

The prospectus of the Company was advertised in the London and provincial daily papers on the morning of May 18th. I sent down to Messrs. Anderson and Co. about 1,700 prospectuses, the whole of which were subsequently returned with the exception of about two or three hundred. The Company was most favorably received, and undoubtedly would have been fully subscribed over and over again provided Messrs. Anderson and Co. had been loyal to the engagement they had entered into, and given me their faithful services as promised.

Many applications for shares came to our office, and persons also desired to and did fill up applications forms, and draw cheques in my presence for large amounts of shares, but, owing to rumors circulated through the means of Messrs. Anderson and Co., or persons in their interest, detrimental to the Company, the applications were never lodged at the Bankers.

This interest continued until the middle of the afternoon of that day, when all interest in the matter seem to flag and die away from some cause unknown to us. This sudden depression and apathy continued through the following days, Friday and Saturday, and was the subject of discussion amongst the Directors of this Company and myself, as well as many friends, all of whom were at a loss to understand why so good a business should not be well received—a business that on its face bore the impress of reality, and one that was in no way based upon the excited state of the Electrical ShareMarket, but upon actual values and vested rights. What was still more surprising, applications which were known to be filled out were, for some reason, not lodged in the Bank, the total number of applications at the Bank being 1,955, while several times that number were known to have been made out and cheques drawn therefor. Only one application for 200 shares was subscribed through Messrs. Anderson and Co. During the two days last mentioned, I visited

Messrs. Arthur Anderson and Co., several times, and was at a loss to understand why nobody in the firm seemed to take any interest in the business. I several times urged them to send out prospectuses, stating that they would do so good piled up in their office where we had left them, and urged them to prosecute the affair and push the matter to a successful issue. Up to this time, say three o'clock Saturday afternoon of May 20th, no complaint had been made to me of any kind or character, all parties speaking of the business in the most favorable terms. About four o'clock on Saturday afternoon of May 20th, I entered Messrs. Anderson and Co.'s office and met Mr. Kennett (one of our directors), who requested me to walk back into the office with himself and Mr. Wilson (of Anderson and Co.). Mr. Kennett asked Mr. Wilson, "Shall I tell him?" Mr. Wilson said, "Yes." I had no knowledge up to this time of what had been going on. Mr. Kennett then read a copy of a cablegram from Mr. Edison, to the effect that his name was not authorized to be used as Consulting Electrician to a Brush Electric Light Company, which was true. It was never the intention to so use him. Mr. Kennett was very much excited, and said he had been very badly treated, and that he should resign his position as director. I stated that he could do what he pleased, but I had used the name of Edison with authority (which I had bought and paid for) for telephony for the West Coast of South America, and that if he took the liberty of saying that I had not authorized, he must do so upon his own responsibility. Mr. Wilson said it was a very bad matter, and he did not see how the thing could go on, or words to that effect. I was dumfounded for the moment, and immediately left the office, and visited my solicitors, Messrs. Davidson and Morris, who stated that they thought I had a clear right to use the name of Edison in regard to telephony, and they did not think that any disinterested person would construe it to apply to the "Brush Light." I visited the house of Colonel George Edward Gouraud at Kewwood on the same evening, and learned from him sufficient to throw considerable light upon the matter, which was to the effect that Mr. Anderson and he, either with or without Mr. Johnson, the agent of Mr. Edison, had been instrumental in Mr. Edison's declining the use of his name with regard to Electric Light from reports made by them—in my unknown—and came to the conclusion that the lack of interest shown for the two days previous was on account of these negotiations by cable. Colonel Gouraud and Mr. Johnson admitted that my construction as to the use of Mr. Edison's name as consulting electrician for the telephone was correct, but that Mr. Edison could not allow the use of his name for a Brush Light Company. He (Col. Gouraud) also stated that he knew Mr. Kennett would resign his seat on the Board, and when he had done so Mr. Sandeman would also resign his seat on the Board, and when these two had vacated their seats Mr. Trilby would also leave, and that Mr. Anderson would withdraw at any time, "And then, where are you?" he said. As to where I am I have found out, but as to the Directors resigning, I am proud to state that they not only retained their places but have been warm in their sympathy towards me for the unwarrantable manner in which I have been deceived. I called to Mr. Edison stating frankly that the interpretation placed by Messrs. Anderson and Gouraud

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was one which had not been suggested from any other source, and I disclaimed any intention of using his name in any manner except as I had legal right to do. He replied that I should deal with Mr. Johnson in the matter. Mr. Johnson (Mr. Edison's agent) met our Board of Directors, all of whom stated the facts in the case, the *bona fides* of which Mr. Johnson freely admitted, and stated that but for the decision in Mr. Justice Fry's Court against the United Telephone Company, on Friday, May 19th, 1889, probably no notice would have been taken of it. This decision was in no way connected with me or mine or I with it, except inasmuch as I occupied the same building with the gentleman who owned the patent assailed by the United Telephone Company. Mr. Johnson agreed with the Directors that if the Company made the same explanation in the papers that I had made to him, it would be satisfactory so far as he was concerned, but before he (Mr. Edison's agent) could positively agree to the same it must be submitted to Mr. Waterhouse, Mr. Johnson's solicitor here. I accompanied Mr. Johnson to his solicitor's office (Messrs. Waterhouse and Waterbottom) and the following notice appeared in the daily papers as approved by them:—

THE ANGLO-PACIFIC ELECTRIC LIGHT, TELEPHONE, AND POWER CO. (INCORPORATED).

I having been brought to the attention of the Directors of this Company that the use of Mr. Edison's name as Consulting Electrician had been continued to apply to the Electric Light portion of the business, as well as to the Telephone and Electric Traction parts thereof, and that Mr. Johnson's name should have been used solely in connection with the Telephone, and not in any way in connection with the Electric Light and said Traction, I withdraw, from the position of Consulting Electrician. This will not affect the position of this Company in regard to the rights for the West Coast of North America in relation to Telephones acquired by the Vendor to the Company direct from Mr. Edison, and to be transferred to the Company.

By order of the Board, G. BECKLEY,
Secretary (per spec.)

On Monday afternoon, May 22nd, I called on Mr. Anderson at his office in company with Mr. J. Walsh, and saw him at 2.30 p.m. in regard to matters. We had a long conversation, in which he repeatedly stated that the business was a very good one, and he did not see why it did not go except on account of the general depression in Electric Light Shares, and that the decision in the telephone suit might have something to do with it, which in no way related to South American business. I talked very frankly to Mr. Anderson, telling him that I did not expect the business to go without a leader, and that he had entrusted the leadership to him. I spoke in all matters in a frank, straightforward manner, with Mr. Anderson termed and said, "Mr. Husabands, you have been perfectly frank with me, and now I will be equally frank with you. I admit your company to be a good one, and at any other time would have gone off quickly. I took the business on the prospectus, and did not take legal advice on the matter as I should have done, and believed it to be a thoroughly Edison Company."

I stated fully to him the position in which Mr. Edison's name was being used as Consulting Electrician. The justice of my position he freely admitted, and stated that the whole matter rested in the fact that he was an

7

Edison Light man, and did not believe in the Brush system; that they were all "played out" and that the Edison was the coming system; that he was about to bring out an Edison Electric Light Company for himself, Colonel Geunard and others, and that he had not recommended the Anglo-Pacific to any of his clients for the reason that it was obviously opposed to his interest, and that he could not allow a Brush Company to be a success from his office. He proceeded to state that he was thoroughly Edisonian, and had lost considerable business by confining himself to the Edison Light by not taking other systems, and that this was the first "outside Electric Light Company" he had taken. He said he was very sorry that he could do me no good; that he had not and could not benefit the interest of my company; that he had not treated me right and done his duty by me, and that he would make no charge for the use of his name. He also stated that the matter was so damaged that it was useless to proceed further with the company.

From the foregoing statement of facts, but one conclusion can be arrived at, viz., that Messrs. Anderson & Co., had motives for seeking the business and preventing me from employing other brokers who would have been faithful to me and that the negotiations with Mr. Edison were of such a character as to indirectly inform him of their true intent, and that his authority was used by Messrs. Arthur Anderson & Co., to cover up the arrangements which they had entered into for the purpose of preventing the success of this Company. And I further claim that Messrs. Anderson & Co., had no right to circulate rumours, and to act contrary to the interests of this company without my knowledge, nor take the matter in their own hands, and that if they were dissatisfied with their position as Brokers of the Company, their proper course was to withdraw from the trust reposed in them, or else to do their duty.

I also fail to understand why a firm of brokers should allow themselves or be allowed to be influenced or made to take action by one client to the detriment of another from personal or any other grounds.

I would further state, that from no fault of mine or the prospectus or the business to be acquired by the Company, but on the subterfuge of a mere technical misconstruction of Mr. Edison's name on the prospectus as Consulting Electrician, Messrs. Anderson & Co., have wrecked the company almost completely, not only causing me a loss of prospective profits, but of actual money expenditure made and to be made in endeavouring to float the Company of over £24,000.

In conclusion, I would state that I am an American citizen, for some years residing at Valparaiso, South America, and have been led to believe that Messrs. Arthur Anderson & Co., were a respectable firm, and that any contract made by them would be kept to the letter. I have no regrets in the matter, and beg that you will take this complaint under your consideration, and act in such a manner as you may deem expedient, but I desire, if it can be done by

your hon. body, that the firm of Messrs. Arthur Anderson & Co. may be ordered to refund me such a portion of my cash expenditure and pay me such other equitable damages as reparation, and as you may consider just and proper, or failing this, that they may be so dealt with, according to the rules of your hon. body, as may prevent others from being deceived as I have been.

I have endeavoured to state frankly and fully, without exaggeration, the matter from an impartial standpoint, without allowing my injured feelings and a sense of the wrong done me, to be taken into consideration.

I am willing to appear before your Committee, with or without witnesses, and substantiate the whole of what I have stated.

Messrs. A. Anderson & Co. have not even yet given me either verbal or written notice of their withdrawal as brokers of the Company, and so far as I or the Company or its Directors are concerned, they are at this hour its Brokers, although of course there is now no necessity for their services.

(Copy)

30, THROCKMORTON STREET, LONDON, E.C.,

May 16th, 1882.

J. D. HUSBANDS, Esq.,
81, Queen Victoria Street, E.C.

DEAR SIR,

Referring to your letter of this date, we beg to inform you that we shall be willing to act as Brokers to the Anglo-Pacific Electric Light, Telephone and Power Company, Limited, upon the terms mentioned in your letter, and further that the fee mentioned will include an application to the Stock Exchange Committee on our part for a settlement and quotation, and we undertake to use our best endeavours to obtain the same.

Yours faithfully,

(Signed) ARTHUR ANDERSON & CO.

(Copy)

LONDON, E.C., May 16th, 1882.

Messrs. ARTHUR ANDERSON & CO.

DEAR SIR,

I hereby agree to give you as your fee for services as Brokers on behalf of the Anglo-Pacific Electric Light, Telephone and Power Company, Limited, the sum of Two Thousand Guineas; also, a commission of 2s. per share on each and every share which shall be applied for, and allotted upon forms of application bearing your stamp. The payment for Brokers' fee and commission to be made immediately after the allotment of shares.

Yours faithfully,

(Signed) JOSÉ D. HUSBANDS.

This Company requires the following combination of rights and privileges for the entire 4,000 miles of the West Coast of South America:—

“BRUSH” System of Electric Light and Power under EXCLUSIVE license from the Anglo-American Brush Electric Light Co. Limited.

“EDISON,” “BELL,” “DOLBEAR,” “BLAKE,” “HUNTINGS,” “ANDERS,” “WATSON,” and other Systems of Telephones and apparatus.

CONCESSION from the Supreme Government of Chili of the SOLE AND EXCLUSIVE PRIVILEGE of conducting telephone business in that country.

The Anglo-Pacific Electric Light, TELEPHONE, AND POWER COMPANY, LIMITED.

SYSTEMS OF

THE ANGLO-AMERICAN “BRUSH” ELECTRIC LIGHT CO., Limited.

Prof. AMOS EMERSON DOLBEAR, Tufts College, U.S.A.

Prof. THOMAS ALVA EDISON, Inventor, U.S.A.

Prof. ALEXANDER GRAHAM BELL, Inventor, U.S.A.

GEORGE LEE ANDERS, Esq., Inventor and former Electrical Experimenter to the American Bell Telephone Co., U.S.A.

THOMAS AUGUSTUS WATSON, Esq., General Electrical Inspector of the American Bell Telephone Co., U.S.A.

Rev. HENRY HUNTINGS, M.A., Oxon.

INCORPORATED UNDER THE COMPANIES ACTS.

CAPITAL, £300,000 IN 60,000 SHARES OF £5 EACH.

Of which 30,000 are reserved to the Vendors, and 40,000 are offered for subscription.

Payable—10s. on Application, £1 on Allotment, £1 on July 1st, 1882.

No future calls to exceed £1 per Share, with not less than two months' notice. It is not anticipated that more than £2 10s. will be called up at present.

Directors.

STEWART PIXLEY, Esq. (Messrs. FRILEY & ABELL), 27, Old Broad Street, Chairman.

ROBERT EWING, Esq., Director “Brush Electric Light and Power Company of Scotland.”

W. C. HARVEY, Esq., Director of the Anglo-Egyptian Bank.

V. BARRINGTON KENNETT, Esq. (Messrs. WELLSLTON & SONS), 2, Cushman Court, Old Broad Street, E.C.

JOHN GLAS SANDEMAN, Esq. (Messrs. G. G. SANDERSON, SONS & Co.), 20, St. Swinton's Lane, E.C.
With power to add to their number.

Managing Committee in South America.

JOSE D. HUSBANDS, Esq., Valparaiso, S.A., *Managing Director*, Founder and Managing Director of “La Compania Chilena de Telefonos de Edison,” taken over by this Company.

JAMES MARTIN, Esq., Valparaiso, S.A., President “La Compania Chilena de Telefonos de Edison.”

SANTIAGO MACFADZEN, Esq., of National Bank of Chili, Valparaiso.

Bankers.

MESSRS. MARTIN & COMPANY, 68, Lombard Street.

Solicitors.

MESSRS. DAVIDSON & MORRIS, No. 40 and 42, Queen Victoria Street, E.C.

MESSRS. PARKER, GARRETT & PARKER, St. Michael's Rectory, Cornhill.

Auditors.

MESSRS. CHANDLER, PIXLEY & Co., 15, Coleman Street, E.C.

Brokers.

MESSRS. ARTHUR ANDERSON, & Co., 30, Throgmorton Street, E.C.

Secretary (pro tem.).

GRAHAM BUCKLEY, Esq.

Consulting Electricians.

Prof. THOMAS ALVA EDISON, Menlo Park, U.S.A.

Prof. AMOS E. DOLBEAR, A.M., C.E., Professor of Physics, Tufts College, Boston, U.S.A.

Prof. SILVANUS P. THOMPSON, B.A., D.Sc., Member of the Physical Societies of London and Paris; Professor of Experimental Physics in University College, Bristol.

Electrician.

GEORGE LEE ANDERS, Esq., Inventor, Experimenter, and former Electrician to the American Bell Telephone Company, Boston, U.S.A.

Head Offices—31, Queen Victoria Street, London, E.C. General Offices, Valparaiso—73, Calle Prat.

PROSPECTUS.

THIS Company is formed to purchase, take over and extend the existing systems of Telephone Exchanges and Private Lines—now owned by the "La Compania Chilena de Telefonos de Edison"—and to introduce Electricity for illumination and as a motive power throughout Chili, Peru, and other countries lying upon the West Coast of South America.

The Exclusive privilege granted to Prof. Thomas Alva Edison by the supreme decree of the Government of Chili, April 26th, 1880, and to be assigned to this Company, has been tested in the Courts by parties importing Telephones into Chili. The case was tried in the Criminal Court at Valparaiso, with a successful issue and the decision was affirmed on appeal by the Supreme Court of Chili, Santiago.

This Company will thus own the sole right to transact a Telephone business throughout Chili. It will acquire the assignment of Edison, Bell, Blake, Dolbear, Himmings, Anders, Watson and other inventors' rights in Peru, Bolivia, and Ecuador, and applications to the Governments of those countries for the exclusive use of Telephonic inventions, rights and apparatus covering those of the above-named inventors, have been duly filed. In addition it has secured from the Anglo-American Brush Electric Light Corporation, Limited, the exclusive concession to work the "Brush" system of Electric Lighting and Power for the whole West Coast of South America till December 1892.

The combination of Telephone and Electric Lighting business under one management presents the especial advantage of the same staff and general establishment being sufficient for both purposes.

In addition to the already successfully established and increasing business acquired by this Company, from which satisfactory results may be expected the first year, it is the intention of the Directors to immediately extend operations in the principal cities on the West Coast.

The prospects for Electric Lighting upon the West Coast are very promising, the custom of the people being to promenade the streets and parks during the evening. The fact that the principal businesses—mining, smelting, shipping, &c., are carried on by night as well as by day, a wide field is open for the use of the "Brush" Electric Light so well adapted for illuminating large spaces.

The transportation of fuel and water in the mountainous regions of those countries is so expensive that the adaptation of electric power carried to the required place by its own agency would have great advantages over steam, and probably revolutionize the vast mining operations on the West Coast.

Electric Lighting as well as Power will no doubt be largely adopted at the Mines, also by National and Municipal Governments, as well as individuals.

The rivers on the West Coast furnish ample motive power to generate Electricity, especially in the large cities of Santiago and Lima and would enable the Company to carry on its operations with great economy.

The system of Telephonic communication has been most favourably received by both foreigners and natives living on the West Coast, and it is proposed by this Company to open at once between thirty and forty Telephone Exchanges in the principal towns, also to establish and construct private lines throughout the mining districts; large orders for these have already been received. The low price of labour, the unobstructed permission to conduct the business and the inexpensive construction required promise most favourable returns.

"La Compania Chilena de Telefonos de Edison" (The Edison Telephone Company of Chili) is a legally organised company with its capital (\$200,000) fully paid and now quoted at a large premium; the head office being in the City of Valparaiso, S.A., with more than 300 paying subscribers. The Company has special rights and properties not owned by any other foreign company and is in successful operation in all respects with a day and night exchange and message service throughout the year—the daily average use of the Telephone by each subscriber being 22 calls and the average time employed to place one subscriber in speaking communication with the other being 8 seconds. The Company operates under a special exclusive concession from the Chilean Government to do a Telephone business for an unexpired term of nearly eight years, and owns for Chili all the Telephone inventions made or to be made, owned, or controlled by Prof. Thomas Alva Edison. It has also exclusive arrangements with the Continental Telephone Company of America in relation to patents owned by it, and the American Bell Telephone Company, including among others, the Patents of Professor Alex. Graham Bell and for the Blake Transmitter.

The revenue at present derived from the telephone business in Valparaiso is about £5,000 per annum. The exchanges and lines already constructed and erected are first-class in every respect, and will not suffer by comparison with any in Europe or America.

The relations existing between the cities of Valparaiso and Santiago, Callao and Lima and other cities, are such that telephonic communication between them is urgently called for and with the Dolbear system,

THE BELL TELEPHONE COMPANY OF MISSOURI,

417 OLIVE STREET,

E. A. HITCHCOCK, President.
 GEO. W. FISHERICK, Vice President.
 GEO. F. GURANT, Gen'l Manager.
 E. A. SMITH, Secretary.
 JOHN B. LICHENBERGER, Treasurer.

St. Louis, Sept 15 1882.

Is Brought to You by _____
 No. _____

Friend Edison

I believe you are aware that I owned an equal one fifth interest in Eldred's one third interest in Hubbards South American scheme

Kent informed me that Eldred had ordered the money realized from the scheme to be sent to him at London and that you did forward it. Kent also informed me that Eldred stated to him that he did not intend to settle with me, neither of these statements surprised me as I had already concluded that Eldred intended to beat us all, though Kent thought quite the reverse, However, Eldred is expected here in a few days and I desire to bring suit against him to recover the money, due me on this aff. and will thank you for the following information viz

Date of your agreement with Eldred,
 Date of and amount paid to Eldred under the agreement, and if convenient a copy of the agreement.

An early reply will oblige

Yours

Geo F. Durand

JOSÉ D. HUSBANDS,
of Valparaíso,
SOUTH AMERICA.

2. New Broad Street,
SECOND FLOOR.

London, E.C.

Dec 20th 1882.

Thomas Alva Edison, Esq.
Menlo Park N.J.
My dear Mr Edison.

At

last I am out of the
London and Globe Telephone
and at the above address,
to attend to personal
business. Therefore have
no conflicting interest
so far as you are concern
ed. Life is too short, to
have differences without
necessity. Without regard

to business I desire
your good will and you
shall have mine. I was
in Paris last week &
called upon Mr Balthazar
(but did not see him)
Mr Hammer dined with
me last evening. I started
an Edison man and see no
reason why a Leopard should
change his spots. The picture
you gave me of yourself, has
ever been my companion in
travel & is this moment
on the mantel by my side.
The last letter I recievd
from you commenced "my
dear Husband." I am just the
same I hope you are,
I have no connection or
take interest in any Electric
Light, confining myself to

2/

2, Abchurch Lane, Street,

SECOND FLOOR,

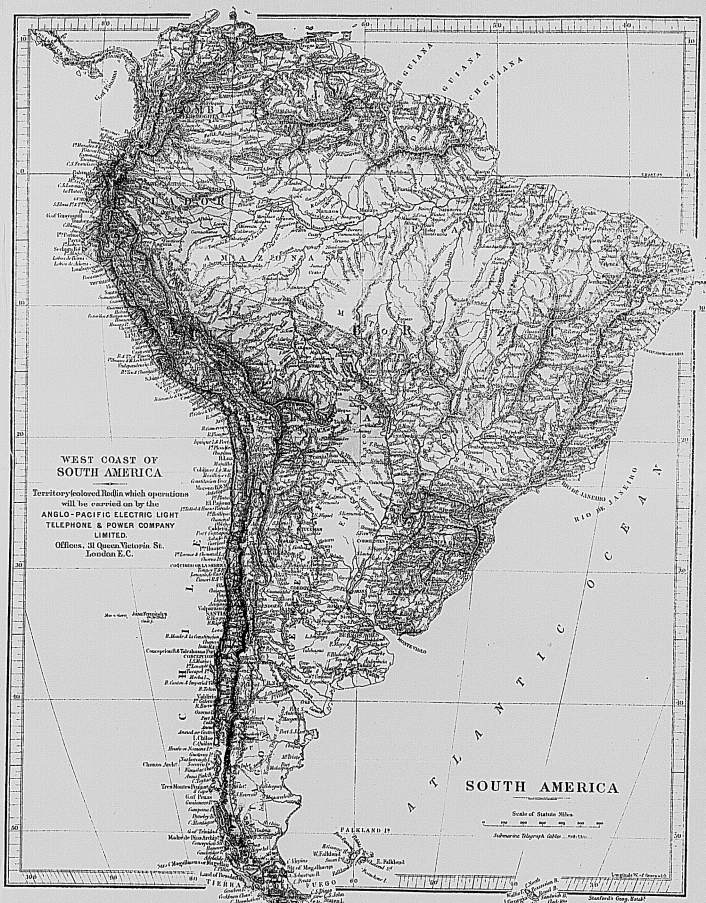
London, E.C.

JOSÉ D. HUSBANDS,
of Valparaiso,
SOUTH AMERICA.

The Telephone business¹⁸⁸⁸
which is doing very well
I call my company
the Edison "West Coast"
Telephone Co - instead of "Edison"
to which you cannot
have objection. at least I
assume so from years
of silence and the assumption
you executed in that name.

Please drop me a line
and say you hear me no
ill. Love

Faithfully Yours
José D. Husband



WEST COAST OF SOUTH AMERICA

Territory colored Red in which operations will be carried on by the
ANGLO-PACIFIC ELECTRIC LIGHT TELEPHONE & POWER COMPANY LIMITED.
 Offices, 21 Queen Victoria St. London E.C.

SOUTH AMERICA

Scale of Statute Miles
 0 100 200 300 400 500
 International Telegraph Code

THE ANGLO-PACIFIC
Electric Light, Telephone & Power Co.,
LIMITED.

No. _____
FORM OF APPLICATION.
(TO BE RETAINED BY THE BANKERS.)

This Form should be sent intact to the Bankers or Secretary.

To the Directors of
THE ANGLO-PACIFIC ELECTRIC LIGHT, TELEPHONE, AND POWER COMPANY,
LIMITED.

Gentlemen,

Having paid to Messrs. Martin and Company, your Bankers, the sum of £ _____, being a deposit of 10s. per Share, on _____ Shares, I request that you will allot me that number of Shares of £5 each in your Company, and I hereby agree to accept the said Shares, or any smaller number which you may allot to me, and to become a member of the Company in respect thereof, and I agree to make the payments thereon, in accordance with the terms of the Prospectus and the Articles of Association of the Company, and I authorise you to place my name on the Register of Shareholders in respect of the Shares which may be allotted to me.

I am, Gentlemen,

Your obedient Servant,

Signature _____

Name (in full) _____

Address (in full) _____

Profession or Business _____

These particulars must be written legibly.

Date _____, 1882.

Payable—10s. on Application, £1 on Allotment, £1 July 1st, 1882. Total £2 10s. It is not intended to make any further calls at present.

The Anglo-Pacific Electric Light, Telephone and Power Company, Limited.

No. _____ BANKER'S RECEIPT.
(TO BE RETURNED TO THE APPLICANT.)

Received the _____ day of _____, 1882, on account of THE ANGLO-PACIFIC ELECTRIC LIGHT, TELEPHONE & POWER COMPANY, LIMITED, from

_____ the sum of _____ pounds, being a deposit of 10s. per Share on application for _____ Shares of £5 each.

M : :

For MARTIN & CO.,

Cashier.

THE ANGLO-PACIFIC
Electric Light, Telephone & Power Co.,
 LIMITED.

No. _____
FORM OF APPLICATION.
(TO BE RETAINED BY THE BANKERS.)

This Form should be sent intact to the Bankers or Secretary.

To the Directors of
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I am, Gentlemen,

Your obedient Servant,

Signature _____

Name (in full) _____

Address (in full) _____

Profession or Business _____

Date _____, 1882.

Payable—10s. on Application, £1 on Allotment, £1 July 1st, 1882. Total £2 10s. It is not intended to make any further calls at present.

These particulars must be written legibly.

The Anglo-Pacific Electric Light, Telephone and Power Company, Limited.

No. _____ **BANKER'S RECEIPT.**
(TO BE RETURNED TO THE APPLICANT.)

Received the _____ of _____ 1882, on account of THE ANGLO-PACIFIC ELECTRIC LIGHT, TELEPHONE & POWER COMPANY, LIMITED, from

_____ the sum of _____ pounds, being a deposit of 10s. per Share on application for _____ Shares of £5 each.

M : : _____

For MARTIN & CO.,

Cashier.

1882. Telephone - Foreign - Europe (D-82-055)

This folder contains correspondence, agreements, and other documents relating to the business of the Edison Telephone Company of Europe, Ltd. Much of the correspondence is by Edison's associates, George E. Gouraud and George H. Bliss. Included also is a stock prospectus for the Austrian Telephone Company, Ltd. Some of the correspondence is in the form of cable messages to and from "Noside London," a code name used by Gouraud.

All the documents have been filmed except for duplicate copies of selected documents and copies of cable messages filmed in Letterbook, LM-001 (Letterbook Series).

JAMES W. WHITE.

J. CLARENCE WHITE.

HENRY M. LEWIS.



TRUSTEES OF
SAMUEL S. WHITE,
Denial Depot,

Chestnut Street, Corner Twelfth.

Philadelphia, January 7 1872

Mr. A. Edison, Esq.,
New York

Dear Sir,
Your favor

of yesterday is at hand.

We originally agreed with Mr.

Osby, to a length years note dated
last May, at four months, as an
accommodation to you we extended the
time four months beyond that.

It will not now be convenient for us
to extend the time longer, we are
counting upon the proceeds of the note
to meet some obligations of the Estate
now maturing.

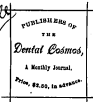
We trust therefore that you will be
prepared to meet your note in full.

Yours Truly
Trustees of S. White
H. M. Lewis

JAMES W. WHITE.

J. CLARENCE WHITE.

HENRY M. LEWIS.



TRUSTEES OF
SAMUEL S. WHITE,
Denial Depot,

Chestnut Street, Corner Twelfth.

Philadelphia, January 11 1872

Mr. A. Edison, Esq.,
New York.

Dear Sir,

In answer
to your favor of yesterday I
would say that your note has
been approved for collection
with the Merchants National
Bank, New York.

Yours Truly
Trustees of S. White
H. M. Lewis

Ask if he
has the note
to take it up
to the bank
before

White

July 7 1912

Francis Johnson

Edison Telephone Co
Solely Proprietors
Morse & Company
OF THE
P.O. NO. 1854.

the matter.

Jan 12 1882
Thomas A Edison Esq
65 Fifth Avenue City

Yours truly
Foster Thomas

Dear Sir
We received last evening
another cable despatch
very pressing in its char-
acter from Messrs. Mackay
& Co of London, urging
the immediate execution
of the Agreements. Please
let us know what we
shall answer them in

AN AGREEMENT made the day of between
THOMAS ALVA EDISON, of Menlo Park, New Jersey, in the
United States of America, and THE EDISON TELEPHONE
COMPANY OF EUROPE LIMITED, of New York, in the said
United States (hereinafter called the Vendors), of the
first part; GEORGE EDWARD GOURAUD, of No. 6, Lombard
Street, in the City of London, and JOSHUA FRANKLIN BAILY,
of 33, Avenue de l'Opera, in the City of Paris, of the
second part; and the EDISON (GOWER) BELL TELEPHONE
COMPANY OF EUROPE, LIMITED (hereinafter called the new
Company), of the third part.

Whereas the Vendors are possessed of, or entitled to call for an
assignment of, the several patents specified in the 1st. Schedule
hereto, and are also entitled to the benefit of the Agreements
specified in the second schedule hereto;

And whereas the registered capital of the new Company
is £500,000, divided into 500,000 shares of £1 each; NOW THESE
PRESENTS WITNESS, and it is hereby agreed as follows:-

1. The Vendors, according to their respective rights and
interests, shall sell, and the new Company shall purchase, all
the property and rights of the Vendors with reference to tele-
phones and patents relating thereto for the whole of Europe
(except the United Kingdom, France, Turkey and Greece), and in
particular those specified in the 1st. Schedule hereto, and the
benefit of any royalties payable under the several Agreements
mentioned in the 2nd. Schedule hereto, and such rights, if any,

4

as the Vendors respectively have in the patents referred to in such Agreements or any of them, and the goodwill of the telephone business of the Vendors in Europe except as aforesaid. The said sale shall include all profits and benefits of the Vendors in respect of such patents and rights as aforesaid as from the 23rd. day of August last, and the said premises are sold free from all incumbrances. The benefit of the Agreement of the 9th. of April, 1880, hereby agreed to be sold shall be deemed to include all the rights of the Vendors to the sum of £2,000 deposited pursuant to that Agreement.

2. The sale and purchase hereby agreed to be made shall not imply any warranty on the part of the Vendors of the validity of the patents the subject of this Contract or any of them, and the new Company shall accept such title as the Vendors have to the premises hereby agreed to be sold and no compensation shall be made in respect of any forfeiture, invalidity or other defect of title.

3. The consideration for the said sale shall be the sum of £175,000, which shall be satisfied by the allotment in manner hereinafter provided of 175,000 shares of £1 each in the capital of the new Company, such shares to be deemed and taken as fully paid-up shares. The said 175,000 shares shall be allotted and issued to such persons as Theodor Puskas (mentioned in the Agreement No. 2 in the 2nd. Schedule hereto), and the said Joshua Franklin Baily, and George Edward Gouraud, or the survivors or survivor of them, shall by notice in writing to the new Company direct, and

a proper contract shall be previously registered in accordance with section 25 of the Companies Act, 1907.

4. The purchase shall be completed as soon as conveniently may be, and the allotment of the said 175,000 shares having been made in the manner aforesaid, the Vendors shall then at the request and cost of the new Company execute and do all such assurances, powers of attorney, and things as according to the laws of the respective countries applicable thereto shall be requisite for effectually vesting in the new Company, or some nominee or nominees of the new Company, the premises hereby agreed to be sold, and giving to that Company the full benefit of these presents. The new Company shall, as from the date hereof, be entitled to work under the said patents and premises hereby agreed to be sold to the full beneficial interest of the Vendors therein respectively.

5. The new Company shall, as from the date hereof, take over and assume all the liabilities of the Vendors under the Agreements specified in the 2nd. Schedule hereto and dated respectively the 10th. of May and the 13th. of November, 1880; but the Vendors shall indemnify the new Company against all loss in respect of the Agreement of the 9th. of April, 1880, in the same Schedule specified. All fees and duties payable prior to the date hereof for keeping up the said patents hereby agreed to be sold, and carrying on the Vendor's telephone business, shall be borne and paid by the Vendors, and the Vendors shall indemnify the Company against all liabilities in respect of the said Agreements and the

said business up to the date thereof.

G. The new Company shall, contemporaneously with the payment referred to in the 14th clause of the Agreement mentioned in the 3rd. Schedule hereto, contribute and pay to the Vendors, or as they shall direct, the sum of £1,000 towards the expenses incurred by them in relation to the introduction of the telephone system into Italy up to the 23rd. day of August last, and shall also pay to the Vendors the expenses incurred by them for payments to engineers in Italy since last mentioned date, as set forth in the list annexed hereto.

7. The parties hereto of the first and second parts respectively (except as members of the new Company or of the Consolidated Telephone Construction and Maintenance Company, Limited, party to the agreement specified in the 3rd. Schedule hereto) shall not at any time during the continuance of any of the letters patents hereby agreed to be sold, or any extension or extensions thereof respectively, or during the period of ten years hereafter, whichever shall be the longest period, lend their respective names to or assist or be interested or concerned directly or indirectly in the carrying on of the business of working, making, letting or selling telephones or telephonic apparatus in any of the countries or places to which the patents and other rights and Agreements referred to in the 1st. and 2nd. Schedules hereto have reference. Each of such parties respectively shall, if required by the new Company, enter into a proper deed of covenant with the new Company, its successors and assigns, to this effect.

8. No modification in the terms of the said Agreement specified in the 3rd. Schedule hereto shall, as regards the property to be transferred or the amount and nature of the consideration mentioned in Clause 3 thereof, or the time and manner in which the same is to be paid or satisfied, be made without the sanction of a separate General Meeting of the holders for the time being of the shares to be issued pursuant to Clause 3 hereof, such Meeting to be duly convened and held in accordance with the regulations contained in Clause 84 of the Articles of Association of the new Company. And Clauses 83 to 91 inclusive of the Articles of Association of the new Company shall not be altered without the like sanction.

9. The new Company shall be at liberty to pay all the expenses which have been incurred (and whether the same have been already paid by the Consolidated Telephone Construction and Maintenance Company, Limited, or not) in relation to the formation of and advertising and soliciting application for shares in the European Telephone and Electrical Manufacturing Company, Limited (incorporated 2nd. July, 1981), including in particular all legal expenses and all expenses in respect of printing, advertising clerks' Services, and Mr. May's and Mr. Wakefield's services, but so that no payment shall be made in respect of rent or for use of offices. The new Company shall also within one month from the date hereof pay the legal expenses of the Vendors of and incidental to this Agreement.

10. If any doubt, question difference, or dispute shall arise between the Vendors or either of them and the new Company

touching these presents or the construction hereof, or any clause or thing therein contained, or any matter in any way connected with these presents or the operation thereof, or the rights, duties or liabilities of either party in connection with the premises, then and in every or any such case such difference shall be referred to a single arbitrator, to be appointed by the parties in difference, or if they cannot agree, then to two arbitrators, one to be appointed by each of the parties in difference, or to an umpire appointed by such arbitrators. Upon every or any such reference the costs of and incident to the reference and award respectively shall be in the discretion of the arbitrator, arbitrators or umpire respectively, who may determine the amount thereof or direct the same to be taxed as between solicitor and client, or as between party and party, or otherwise, and may award by whom and to whom, or in what manner the same shall be borne and paid, and every and any such reference shall be made an order of Court in any of the Divisions of Her Majesty's High Court of Justice upon the application of either party, and such party may instruct Counsel to consent thereto for the other parties.

In witness whereof the said Thomas Alva Edison, and the said G. E. Gouraud and J. F. Baily have hereunto set their hands and seals, and the said Edison Company of Europe, Limited, and the Edison Gower-Bell Telephone Company of Europe, Limited, have hereunto caused their respective common seals to be hereunto

in the name of the said Company by authority of
the Board of Directors of said Company
Witness my hand and official seal at the
City of New York this 13th day of January
1882



Wm. H. Mearns
Notary Public
New York County



and my hand at
the City of New York
this 13th day of January
1882

Witness my hand
at the City of New York
this 13th day of January
1882

James C. [unclear]

James C. [unclear]

James C. [unclear]

Her Britannic Majesty's Consulate-General, New York.



I, EDWARD MORTIMER ARCHIBALD, Esq., COMPANION OF THE MOST HONORABLE ORDER OF THE BATH, HER BRITANNIC MAJESTY'S CONSUL-GENERAL, FOR THE STATES OF NEW YORK, NEW JERSEY, CONNECTICUT, RHODE ISLAND, AND DELAWARE,

Do hereby Certify, That I have reason to believe that the Signature subscribed, and Seal affixed to the Certificate hereunto annexed, are the true Signature and Seal of *Wm. H. Meadowcroft* who was, on the day of the date of said Certificate, a Notary Public, in and for the State of *New York* duly commissioned and sworn, to whose Official Acts faith and credit are due.

In Witness Whereof, I do hereunto set my hand and seal of Office at the CITY OF NEW YORK, this *Fourteenth* day of *January* in the year of our Lord, one thousand eight hundred and ~~sixty~~ *eighty two*.

For the Consul General,
Edward Mortimer Archibald,
Consul.

The FIRST SCHEDULE above referred to.

Edison Company of Europe, Limited.

Germany	No. 11513	11th December, 1879.
Do.	" 13603	31st December, 1879.
Do.	" 8071	14th May, 1878.
Do.	" 7694	2nd June, 1878.
Do.	" 10137	9th November, 1878.
Do.	" 12631	12th May, 1878.
Spain	"	16th May, 1878.
Do.	" 207	19th May, 1879.
Italy	"	19th January, 1879.
Do.	"	4th February, 1879.
Do.	"	5th October, 1878.
Do.	"	2nd November, 1878.
Denmark	"	21st April, 1879.
Do.	"	8th May, 1879.

T. A. Edison.

Denmark	11th August, 1880.
Sweden	24th July, 1880.
Norway	20th December, 1880.
Portugal (application made, Patent not Granted.)	

The SECOND SCHEDULE above referred to.

1. Agreement, dated 10th of May, 1880, between James H. Banker, President of the Edison Telephone Company of Europe, Limited, of the one part, and Messrs. Descampe Paul Bouquié and Alphonse Spéc of the other part, relating to patent rights in Belgium.

2. Agreement, dated 13th November, 1880, between the Edison Telephone Company of Europe, Limited, of the one part, and Theodor Puskas and Franz Puskas of the other part, relating to patent rights in Hungary.

3. Agreement, dated 9th April, 1880, between James H. Banker, President of the Edison Telephone Company of Europe Limited, of the one part, and Charles Nottebank of the other part, relating to patent rights in Russia.

The THIRD SCHEDULE above referred to.

An Agreement, bearing even date herewith, and made between the Consolidated Telephone Construction and Maintenance Company, Limited, of the one part, and the new Company of the other part.

encl

6, Lombard Street, E.C.
London, January 24/1882

J. A. Edison Esq,
65 Fifth Avenue New York

By
John
G. Howard

Dear Sir,
I send you herewith enclosed form
of authority to assign your interest in the
Agreement with Gower & his associates for
the purchase of the 4000 telephones, to the
new company respecting which I have written
you, (called The Telephone Supply Company
Limited), which I should be glad if you
would kindly sign & send to me per
return mail - I have already executed
a duplicate, as your attorney; but in order
avoid the possibility of any question with any
of the other parties should prefer to have
your own signature -

Yours faithfully
J. G. Howard
J.G.

Erasmus C. B. Lee
OFFICE OF
Foster & Thomson, 257 Broadway
ATTORNEYS & COUNSELLORS AT LAW
62 WALL STREET.

P.O. BOX 1854.

New York, 25 January 1882.

J. A. Edison, Esq.,
Dear Sir:

We are not yet in receipt of the contract with the Edison, Gower (Bell Telephone Company Limited) duly executed, with the date inserted as we gave to your Secretary of the tenth November 1881. As Messrs Blackwell cable us that important matters are jeopardized by delay we trust that we shall receive the duplicate agreement properly executed at an early day. The date given is that sent to us by Messrs Blackwell and the suggestion we made was that one of the printed contracts should be signed and as there provided, after the schedules instead of before, so as to make them part of the contract. Upon the delivery of this duplicate we of course will return you the one signed without date.

Yours Truly

Erasmus C. B. Lee

Have been awaiting call
confirmations from London
of date you gave - Resumes if
I can will have printed as soon as
possible.

AN AGREEMENT AND CONTRACT made the twentieth day of February One thousand eight hundred and eighty two BETWEEN THE EDISON BOWER BELL TELEPHONE COMPANY of Europe LIMITED (hereinafter called the Company) of the one part The CONSOLIDATED TELEPHONE CONSTRUCTION and MAINTENANCE COMPANY LIMITED (hereinafter called the Construction Company) of the second part THOMAS ALVA EDISON of Menlo Park New Jersey in the United States of America and THE EDISON TELEPHONE COMPANY of EUROPE LIMITED of New York in the said United States of the third part and GEORGE EDWARD COURAUD of No. 6 Lombard Street in the City of London and JOSHUA FRANKLIN BAILEY of 33 Aven de l' Opera in the City of Paris of the fourth part WHEREAS by an agreement dated the Tenth day of November One thousand eight hundred and eighty one and made between The Construction Company of the one part and the Company of the other part it was agreed that the Construction Company should sell all its property and rights with reference to Telephones and patents relating thereto for the whole of Europe except the United Kingdom France Turkey and Greece and in particular those specified in the first Schedule to the said agreement and the Goodwill of its telephone business in Europe except as aforesaid and that the consideration for the said sale should be a sum of one hundred and seventy five thousand pounds which was to be satisfied by the allotment to the Construction Company or to such persons as that Company should direct of One hundred and seventy five thousand fully paid up One pound shares of the Company AND WHEREAS by another agreement dated the said Tenth day of November One thousand eight hundred and

and eighty one and made between the said Thomas Alva Edison and the Edison Telephone Company Limited (hereinafter called the Vendors) of the first part the said George Edward Gouraud and Joshua Franklin Baily of the second part and the Company of the third part It was agreed that the said Thomas Alva Edison and the Edison Telephone Company Limited should sell all their property and rights with reference to Telephones and patents relating there to for the whole of Europe except the United Kingdom France Turkey and Greece and in particular those specified in the first Schedule to the said agreement and the Goodwill of their Telephone business in Europe except as aforesaid and that the consideration for the said sale should be the sum of One hundred and seventy five thousand pounds which was to be satisfied by the Allotment to such persons as Theodore Puskas in the said Agreement mentioned and the said Joshua Franklin Baily and George Edward Gouraud should by writing direct of One hundred and seventy five thousand fully paid up One pound shares of the Company AND WHEREAS the said Agreements have been duly sealed by the Company NOW THESE PRESENTS WITNESS and it is hereby agreed as follows:

1. THE Company shall before the first day of May next procure this agreement and Contract to be filed with the Registrar of Joint Stock Companies.

2. FORTHWITH after the registration of this Agreement and Contract the Company shall allot to the Construction Company or to their nominees One hundred and seventy five thousand fully paid up One pound shares in the Company and shall cause the Con-

struction Company or such nominees to be respectively registered as the proprietors of such shares respectively such shares shall be numbered from 1 to 175,000 both inclusive and shall be accepted by the Construction Company in full satisfaction of the said sum of One hundred and seventy five thousand pounds mentioned in the firstly hereinbefore recited agreement.

3. FORTHWITH after the registration of this Agreement and contract the Company shall also allot to such persons as the said Theodore Puskas Joshua Franklin Baily and George Gourand shall direct One hundred and seventy five thousand fully paid up One pound shares in the Company and shall cause such nominees to be respectively registered as the proprietors of such shares respectively such shares shall be numbered 175,001 to 350,000 both inclusive and shall be accepted by the said Thomas Alva Edison and the Edison Telephone Company of Europe Limited in full satisfaction of the said sum of One hundred and seventy five thousand pounds mentioned in the secondly hereinbefore recited Agreement.

4. PROVIDED always and it is hereby agreed and determined that all the shares mentioned in or referred to in the foregoing clauses shall for all purposes whatever be treated and considered as fully paid up in the same way in all respects as if the full nominal amount thereof respectively had been actually paid by the Allottees or Proprietors thereof respectively in cash to the Company and that no cash shall under any circumstances whatever be payable by the Allottees or Proprietors for the time being of the said shares respectively or any of them or their

respective executors administrators or assigns or by any other person or persons to the Company or any person or persons whomsoever in respect of such shares or any or either of them IN WITNESS whereof the Edison Gower Bell Telephone Company of Europe Limited the Consolidated Telephone Construction and Maintenance Company Limited and the Edison Telephone Company of Europe Limited have hereunto caused their respective Common Seals to be affixed and the said Thomas Alva Edison George Edward Gouraud and Joshua Franklin Baily have hereunto set their hands and seals the day and year first above written

The seal of the above named Edison)
Gower Bell Telephone Company of)
Europe Limited affixed hereto by)
order of the Board in the presence)
of

G. E. Gouraud)
) Directors.
Julius Vogl)

R. H. Krause, Secretary.

The seal of the Consolidated Tele-)
phone Construction and Maintenance)
Company Limited affixed hereto by)
order of the Board in the presence)
of

)
) Directors.
)

Secretary.

Signed Sealed and Delivered by the)
above named Thomas Alva Edison in)
the presence of)

Saml. T^dull.

Thomas Alva Edison.

G. P. Mott.

G. E. Gouraud.

Witness Louis Rae.

J. F. Baily.

Signed sealed and delivered by the
above named George Edward Gouraud
in the presence of

Wm. J. Parry

Clerk to Messrs. Wilson Bristow & Carmichael

1 Copthall Buildings, London.

Solrs.

The seal of the Edison Telephone
Company of Europe Limited of New
York affixed hereto by the Board

in the presence of

Thomas Alva Edison

)

James H. Banker

)

Directors.

Secretary.

Edwin T. Co. of Europe
11/2/82
OFFICE OF
Foster & Thomas
11/2/82
Messrs. ~~Waring & Gorham~~
68 WALL STREET.
P.O. BOX 1264.

New York, 9th March 1882
Thos. A. Edison Esq.

Dear Sir

Will you please execute
the within agreement individually in
the presence of a witness - And also have
the seal of The Edison Telephone Company
of Europe Limited of New York affixed
in the presence of the Directors and
Secretary as indicated on the 3rd
page thereof - and return the same
to us to be forwarded to London where
the seal of the Consolidated Telephone
Construction and Maintenance Com-
pany limited will be affixed -
The object of this being that it may
be registered in accordance with the
English Joint Stock Companies Act

at the Registry office in order to prevent any question of liability attaching to the shares which are to be allotted to the nominees of the Edison Lower Bell Telephone Co. and the other parties to the contract

It does not require the services of a Notary or the completion of a certificate

Yours truly
Foster Thomson

CASEL HENNER,
"COURAGE, LONDON."

6, Lombard Street, E.C. 4.
London, 11th March, 1882

Dear Edison,

European Telephone.

Your letter of the 27th Feb. explaining the delay
in this connection is received, for which I am much obliged. I
hope you will keep the matter well before you, as it is important
that we should get this thing closed, and so far as I can see it
all depends on your good self.

Of course until the thing is absolutely closed up Directors
do not feel the same spirit in going forward, as something may
happen to prevent the consummation of their wishes.

Yours faithfully,
W. Siemens

Longest Telephone
OFFICE OF
Tosler & Thomson, April 1882

~~Western Union Telegraph Co.~~

52 WALL ST. N.Y.
APR 10 1882

P.O. BOX 1954.

NEW YORK
APR 1882

.....1882
Thomas A. Edison Esq.,
65 Fifth Ave.

Dear Sir:

As we see that you have returned from Florida, will you kindly execute a supplementary agreement for the Edison-Grove Bell Telephone Company of Europe, Limited, of New York, and on your own behalf, forwarded to you on the 9th of March last, and oblige,

Yours Truly
Tosler & Thomson

recd
1st May 82

6 Lombard St. Co.
London, 18th April 1882.

Dear Edison.

Between Edison Telephone Compy. of Europe L^d and
the Edison Power Bell Telephone Compy. of Europe L^d.

Edison
Power
Bell
Telephone
Compy.
of
Europe
L^d

Your letter of the 6th inst just received. I notice that this Agreement has been signed by you, but is still awaiting the seal of the Edison Compy. of Europe L^d.

I sincerely trust that you will see that this is completed at the earliest possible moment, as the delay has occasioned a good deal of complaint here, and some complications, but as yet nothing serious.

Please telegraph me when this agreement leaves your office by the name of the steamer, and followed by the word "European" which I will understand. I cabled you about this the other day, but to which I have had no reply. There was a word left out in the cable, which you will nevertheless have understood. It should have read - "Serious complications arising out non receipt sealed agreement European Telephone" the word non being left out.

Yours faithfully
W. Thomson

J. A. Edison Esq.
New York.

P.S. I hope the same mail as referred to above will bring me the transfer of the 200 shares due me in the Edison Telephone Co. of Europe L^d.

Original Telephone
REGISTERED BY *Tester & Thomson, Apr 27 82*
~~Managers, Commercial Union~~
62 WALL STREET.
P.O. BOX 1554.

New York, 27 April 1882

Samuel Inall, Esq.,
Edison Light Co.,
65 Fifth Ave.

Dear Sir:

I have you not yet been able to get a meeting of the Edison Con- Bell Telephone Company limited of New York, so that the document we forwarded you may be properly executed and returned.

Yours Truly
Tester & Thomson

File
J. W. Foster & J. Thomson
Selected

European Telephone

Foster & Thomson

Attorneys & Counselors at Law

82 WALL STREET.

P.O. BOX 1854.

New York, May 1882.

Received, Agreement between
The Edison-Gower-Bell Telephone
Company of Europe, Limited, of
the one part, The Consolidated
Telephone Construction and Main-
tenance Company Limited of the
second part, Thomas Alva Edison
of the third part and George Edward
Gouraud and Joshua Franklin
Bailey of the fourth part, dated
February 20, 1882

Foster & Thomson
2

THE EDISON COMPANY
FOR ILLINOIS LIGHTING

CHICAGO AGENCY,
Room 3, 143 LA SALLE ST.,

CHICAGO, ILL., MAY 3RD, 1882.

Account 9
DAN'L INDULL ESQ.

DEAR SIR:

A REPRESENTATIVE OF THE WESTERN
ELECTRIC MANUFACTURING CO. WILL CALL ON YOU
FOR THE 25 SHARES OF FOREIGN TELEPHONE STOCK
WHICH COMES TO ME UNDER THE CONTRACT WITH MR.
EDISON.

YOU WILL REMEMBER MY SPEAKING TO HIM
ABOUT IT JUST BEFORE LEAVING NEW YORK AND
HIS REQUEST MADE AT THE TIME FOR YOU TO
FIX IT.

PLEASE ADVISE ME WHEN THE STOCK IS
DELIVERED AND OBLIGE.

SINCERELY YOURS,

[Signature]
AGENT

16
Bliss May 3.82

RECEIVED
MAY 10 1882
U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

TO THE SECRETARY OF AGRICULTURE
WASHINGTON, D.C.

FROM THE DIRECTOR OF THE BUREAU OF PLANT INDUSTRY
WASHINGTON, D.C.

SUBJECT: [Illegible]

1882

15
May 26:52
Samuel Crowder

CONSULAT DE FRANCE,
A CHICAGO.

Chicago, May 25th 1882
16. Monroe Street.

(No 113)

Sir,

The Minister of the Foreign Affairs of France has recently invited me to investigate and report on the organization, operating and working of the telephones in my consular district.

In the information I have obtained here from the Chicago telephone Company I should be very glad to advise the particulars you are in situation to furnish me on this matter especially on the development of the telephones Edison in Michigan, Wisconsin, Indiana, Illinois, Missouri, Iowa, Minnesota, Dakota, Nebraska, Kansas, Colorado, Wyoming and Montana. I should wish to know how many telephones Edison are sold or

Thomas A. Edison Esq.
Menlo Park New Jersey.

ruled in these States and territories and in how many
cities or towns.

On the other hand, every information you
would be able to forward me on the price or rent of the
telephones or on all this matter would be received
with gratitude here.

With many thanks in advance for your
trouble and your kindness in this circumstance I have the
honor to be, Sir, with highest consideration

your most-obedient servant

Edmond Gruwaert

Consul de France.

59 WALL STREET
May 25th 1852 - NEW YORK.

Dear Mr. Druell

Will you kindly call Mr.
Edison's attention to the matter
referred to in the enclosed letter
from Mr. Fisk and let me know
the result & oblige

Yours truly
William W. Foote

Recd 25000 250 shares.

Total should have recd 26000 of which
Pushkas receive 16000 Edison 20000
from both 1/4 is deducted for Bliss,
making 1700 from P & 2222 from E.

Division of 250 shares.

Pushkas	_____	10500
Edison	_____	14500

Edison pays Bliss	1611
Pushkas " "	1166.

Leaves Edison	12889
Pushkas	9334.

paid P 50 shares wanted 23 mos
+ 34/100 of shares

THE EDISON ELECTRIC LIGHT CO.,
© FIFTH AVENUE.

New York,

188

just issue 500
Second " 220 - ^{last 30 =} 36000
Total 720 - ^{684 =} 36000
Remaining to issue 280
1000
36 will make
in making
and 24 from 54
issued or noted in issued
to Baupier & Clutier
should not be issued
as by terms of agreement
were entitled to 100
shares for 1000 which
was paid in
Look up agreement.

H.O. Puckey
 H.O. Bailey
 200 Gouraud

Bunker & cutting
 entitled to 1/20 shares
 if they pay in ^{for} 10,000
 more, or payment
 of 10,000 already made,
 are entitled to 100
shares; 84 have
 been issued to them
 being 24 ^{original} except
 per agreement
 between parties

250 Edison
 84 Banker
 83 White
 83 Baily

 500 issued

Demand issue
 \$10. Edison D.P.
 37 White
 37 Baily
 36 B&C (not issued)

 220
 500

 720 Total,
 1280

 1800

104W
 83 84 B&C
 37 36 B&C

 120 120

J. S. White & Co

13. 73

14. 10

27. 37

H. M. Lewis

15. 70

H. J. Jarvis

16. 20

J. J. Griffin Adams

17. 20 19. 12

18. 5

C. Batchelor

20. 5 ch

Edison

1 100

2 50

3 20

4 20

5 20

6 40

28 113

Bamber

10 - 28

Duska

22. 5

25. 5

Bailey

7 50

8 28

9. 32

10

R. L. C.

11. 28

R. E. C. C.

12. 28

Fellon

23. 7

Kaitani

24. 16

Ans'd
16 June 87

50 WALL STREET
NEW YORK

Mr. Russell

Dear Mr. Russell. —

Kindly remember the
telephone share matter that
Mr. Puskas wrote about. ♪
When you have an opportunity
let me know how it stands.

Truly
Walter W. Roote

Theodore Puskas

19, rue d'Agnettaill

ADRESSE TÉLÉGRAPHIQUE

Puskas Theo

The American Telephone & Telegraph Co.

19 William St.

New York City

Dear Sir,
 The Edison Power Bell Telephone & Telegraph Co. of Europe limited have sent me an account they received from Mr. Jules Vigorondo of Madrid for services rendered. Enclosed please find copies of this communication. I suppose this bill belongs to your company unless it has been already paid, as it seems strange to me that Mr. Vigorondo should have waited so long before sending in his bill. Will you kindly attend to this matter.

Yours truly

Theodore Puskas
 J. Puskas

copy of Julio Vicamondo's cap
11 Villalar Madrid

1879	To the Railroad, transport of boxes		
Feb 26	with photographs + Photographs as per bill	Reals	276
Oct 27	Notarial fees re re		480
Nov 7	Engineer fees first inspection as per bill		300
Dec 4	To the manufacturing house where the working took place for repairs in the instruments as per bill		1028
1880	Compensation to the workmen re		1500
April 8	To the Engineer, 2 nd inspection as per bill		300
	Stamped papers for all the preceding petitions memorials re re to		475
	My fee		1000
		Reals	6,159
	Equivalent to <u>t. 6. 10. 2</u>		

Comillas

July 21, 82

17

6, Lombard Street
August 23rd 1882
London

Dear Edison,

I have ~~now~~ ^{am} on the point
of getting all matters in connection
with the formation of the Edison
Gower-Bell Telephone Company of
Europe & closed up, and would
be glad to have the shares in
the Edison Telephone Company of
Europe limited issued and sent
to me here, and I will get
the shares in the Edison Gower-Bell
Telephone Co of Europe & issued
forthwith.

Yours truly

J. A. Edison

J. A. Edison Esq

Subject FOREIGN TELEPHONE STOCK.

ARTHUR STARR,
President.
JOHN M. CLARK,
Vice President and Treas.
D. H. LUDWIGSON,
Attorney.
Geo. H. BUSH,
Dist. Mgr.
P. D. JOHNSON,
Engineer.

Western Edison Light Company,

PERSONAL. 51 and 53 Wabash Avenue,

Telephone

DIRECTORS:
THOMAS A. EDISON,
ARTHUR STARR,
JAS. B. CLARK,
J. W. DANIEL,
SAMUEL MERRILL,
NICHOLAS WILLIAMS,
EDWIN KIRBY,
JOHN M. CLARK,
JOHN CAGAN,
ANTHONY F. BERENSON,
Z. G. BROWN.

CHICAGO, 30TH AUGUST, 1882.

MR. SAMUEL INSULL,
MENLO PARK, N. J.

DEAR SIR:

SOME TIME AGO MR. EDISON AGREED TO DELIVER SOME FOREIGN TELEPHONE STOCK DUE UNDER A CONTRACT IN WHICH I AM INTERESTED WITH THE WESTERN ELECTRIC MFG. CO., WHERE IT WAS PLEDGED BY ME TO SECURE INDEBTEDNESS TO THEM.

I THINK MR. EDISON TOLD YOU TO EFFECT AN ARRANGEMENT AND YOU PROMISED TO ATTEND TO IT AS SOON AS POSSIBLE.

PLEASE ADVISE ME IF THE STOCK HAS BEEN DELIVERED.

I SHOULD LIKE TO GET THE MATTER CLOSED UP AS SOON AS POSSIBLE.

SINCERELY YOURS,

Geo. H. Bush

*Received
Aug 31 1882
My Dear Sir
The reason the European
Telephone Stock has not
been delivered to Western
Electric Manufacturing Co
is that I have been awaiting
the arrival of Mr. J. F.
Bailey as he is familiar*

with the European Telephone
Co Business. He has promised
to give me an afternoon
one day next week to go
into the Coy's affairs.
Immediately after I shall
be able to get the
stock transactions - I am

11 ^{Aug 20 1888} ^{Ohio} sorry there has been
much delay about
this matter but it is
due to the fact that
the business was placed
before I came to the Edison
my knowledge of it is
consequently slight & I am
compelled to quote all I can get
to give you a true
and correct account of the same.

Subject: FOREIGN TELEPHONE STOCK.

1882-09-01

Amos Stacey,
President.
John M. Clark,
The Portland Press.
D. H. Lounsbury,
Secretary.
Geo. H. Burt,
Gen'l Mgr.
P. D. Johnson,
Editor.

Western Edison Light Company,

51 and 53 Wabash Avenue.

DIRECTORS.
Thomas A. Edison.
James Baird.
John B. Deere.
J. W. Clark.
Edward Merrill.
Richard Wilson.
Edwin Kemp.
John M. Clark.
John Cowan.
Anthony F. Serrano.
Z. C. Swaine.

CHICAGO, SEPT. 1ST, 1882.

MR. SAMUEL INSULL,
MEMO PARK, N. J.

DEAR SIR : YOUR FAVOR OF 31ST ULT RECEIVED. PLEASE ACCEPT
THANKS FOR THE INFORMATION. I
I HOPE IN THE PRESS OF YOUR OTHER DUTIES YOU WILL NOT
FORGET THE STOCK MATTER, BUT WILL GET IT CLOSED UP AS THE
DELAY HAS LASTED A LONG TIME.
IT WILL BE OF CONSIDERABLE ASSISTANCE TO ME IN OTHER AR-
RANGEMENTS WHICH I WANT TO CONCLUDE.

SINCERELY YOURS,
S. Insull
GEN. SUPT.

C^o CONTINENTALE EDISON

SOCIÉTÉ ANONYME

Au Capital de 1 million de francs

EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ

Paris 1881

GRAND DIPLOME D'HONNEUR

ADRESSE TÉLÉGRAPHIQUE

EDISON - PARIS

Paris, le 5th November 1882.

Dear Sir:

Regarding the bills of M^r. Bonquie of
Brussels handed to me by M^r. Insull for collection
I beg to send you herewith the translation of the
reply of M^r. Bonquie from which it would seem
that these bills were paid for at the time the
goods were sent. Will you please make examination
and advise me if there is anything further to
do in connection with the matter

I am,

Very truly yours

P. T. Insull

Thomas A Edison Esq

President

Edison Telephone Company of Europe

65 Fifth Avenue

New York.

TranslationBrussels 31st Oct.: 1882.

Messrs. Puskas & Bailey
33 Avenue de l'Opéra
Paris.

In reply to your favour of yesterday, I can only confirm what I had the honour of writing you on the 28th instant. On the 15th July 1880 by remittance per telegraph of \$2050 upon Dresel Morgan & Co of New York I paid for the instruments mentioned in the invoices which you have received. These are only for the 100 magnetic boxes, and I received at the same time 100 Edison decks of which the boxes were a part. The whole with accessories amounted to \$2050 as above.

Please forward our explanation to the Edison Company at New York, and receive &c &c
(signed) P. Bouquié.

N.B. that I have paid the \$2050 without having received any invoices of the instruments

Although your reply is very kind
I should perhaps
add that while
the Mon Chaux
will rank for
discovery on a par
with the other
discoveries

of places themselves
so far as they go.
I should perhaps
add that while
the Mon Chaux
will rank for
discovery on a par
with the other
discoveries

LEONARD STREET
E.C.

shares they will
not be a return
on the stock ~~held~~
until they (or
share) are paid
upon by the Com.
Mills & a better
most authorized
This will be found
to be in the
course of law here

16
law it will be
^{demanded} necessary to carry
them before they
can be returned
of account of
any. The return
sh. an ^{order}
about 3/4
If you desire
to take up your
proportion cable

My "accept", if
not "Stalin".
I will not
answer by
I shall write you
by next mail
at length on whole
points of mutual
interest for
H. H. Wood

PRIVATE]

Proof.—Nov. 30, 1882.

THE
AUSTRIAN TELEPHONE COMPANY

(LIMITED),

*Under Special Concessions from the Imperial Austrian Government,
for the Cities of Trieste, Prague, Lemberg, Gratz, and Cracow.*

CAPITAL £60,000, in 12,000 Shares of £5 each,

Of which 8,000 Shares are offered for subscription, payable £1 on application, £1 on allotment, and the remainder in equal instalments at two, four, and six months; the remaining 4,000 will be allotted as fully paid up to the Vendors.

Directors in London:

Directors in Vienna:

Mr. JOSEPH WESSELY, Director of the Austrian Alpine Montane Co.
Mr. FREDERIC ERTEL (late of Messrs. Frederic Huth & Co.)
Dr. FERDINAND HACKENBERG, Barrister-at-law (Advocate).

Bankers:

Messrs. SMITH, PAYNE & SMITHS, Lombard Street, E.C.
THE ANGLO-AUSTRIAN BANK, 31, Lombard Street, E.C.

Solicitors:

Messrs. JOHN MACKRELL & CO., 21, Cannon Street, E.C.

Auditors:

Messrs. BROADS, PATERSON & MAY, 35, Walbrook, E.C.

Secretary:

Mr. R. H. KRAUSE.

Office:

No. 6, LOMBARD STREET.

PROSPECTUS.

1. The Austrian Government, unlike that of the neighbouring German Empire, has resolved to leave the development of the Telephone in the Austrian Dominions to ordinary enterprise and has granted Concessions for this purpose.

2. The Company is formed for the purpose of acquiring and further developing the Telephone business already established under five special Concessions of the Imperial Austrian Government for the five important Cities of *Prague* (the Capital of Bohemia), *Trieste* (the only Austrian seaport), *Lemberg* (Capital of Galicia), *Gratz* (the Capital of Styria, and centre of the Austrian Iron Trade), *Cracoe* (the ancient Capital of Poland); and also for the purpose of acquiring further concessions in such other places in the Austrian Empire as experience may show are likely to be profitable.

3. The vast and increasing development of the Telephone business in countries in which it has been judiciously introduced, justifies the Directors in anticipating for the Company a very successful future.

4. The Company will have the great advantage of a practical *monopoly* of both the "Telephone Exchange" and "Private Wire" business in the five Cities, for which they have secured the Concessions, thereby avoiding all possibility of competition with all its damaging consequences.

5. Telephonic Exchanges were established in Prague, Trieste and Gratz, in August last only, and already 220 Subscribers have been obtained, resulting in a revenue of about £2,000 per annum to begin with, and the business is daily increasing. In Lemberg and Cracow the necessary preliminary works have been commenced, the routes selected, and numerous Subscribers have volunteered to join, thus indicating the favour with which the enterprise has been received. Hence it will be observed that the Vendors have obtained the Concessions and developed the business up to a point at which further Capital is required to meet existing and increasing demand for construction, and which enables them to offer the business to the public as a dividend-earning concern.

6. As is usual in the case of Concessions in Austria, those now referred to dated June 27th 1882, and October 14th 1881, respectively, have been made absolute only for the term of 10 years, at the expiration of which time they will be renewed by the Government, or at that time, or during the currency of the above period the property will be purchased by them, in which case the exceptional provision is made, to the advantage of the Company, that should the Government and the Company fail to agree upon the price to be paid to the Company, it shall be settled by arbitration, but the arbitrators shall take into account both the effective value of the business as well as the *prospective* Revenue.

7. The following is a moderate estimate of the profits to be derived from working the business in the above Cities only. Taking the lowest calculation of the number of Subscribers likely to be obtained within the first year, in each of the Cities, the estimated revenue at the average rates fixed by the Concessions, after deducting all Royalties and the cost of working and maintenance, would be about £12,000 per annum, or equal to 20 per cent. on the total Capital of the Company. These Cities are peculiarly well adapted for telephonic enterprise, as there are no local telegraph offices for sending messages within municipal limits. To meet this want the Directors propose to establish Public Telephone Offices, where messages may be sent by the public on payment of an authorized charge for each message, and towards this end arrangements are now in progress with the Government. It is believed that this will be greatly appreciated, and considerably increase the revenue of the Company.

8. The Secretary of the Company has visited Austria with a view to investigate the position of the business and the views of the Government with reference thereto, and has reported very favourably to the Board. He also states that 438 kilometres (or miles) of wire have been run, and that the present staff is maintained at a cost of about £1,500 per annum, and is sufficient to conduct the business of the Company, even if the number of Subscribers is increased to 1000, and after that the increase in cost will only be small. These charges are already covered by the receipts from the contracts signed.

9. The Directors have obtained the services, as Manager in Austria, of Mr. JOSEPH WASSERLI, a Gentleman of position and influence, as well as of considerable local experience.

10. The price to be paid is £20,000 in shares and £20,000 in cash, for which the Company receive the existing business as a going concern on November 1st, including the Government deposit, all lines completed and in course of construction; all materials on hand, and also all rentals from the commencement of the business; the five exclusive Concessions, the Edison and Gower-Bell Patents for Austria Proper and the Gower-Bell Patent for Hungary. The Edison Patent for Hungary has been sold, subject to a royalty of 5 fr. per annum for every Telephone in use in that country and to a right to 25 per cent. of the amount received from any company which may hereafter be formed to take over the Patent. These royalties and benefits will belong to the Company. Having regard to the expenditure already made, and the material on hand, which has been paid for, £20,000 is considered ample to complete these systems.

11. As indicating the high position attained by Telephone Companies working the Exchange business, it may be mentioned that the 45 Shares of the United Telephone Company are now quoted at about £21, equal to a premium of 120 per cent, representing a premium of £480,000 on the paid-up capital of £400,000, and the shares of the Lancashire and Cheshire Telephone Company at equal to a premium of per cent, and the £1 Shares, 10s. paid, of the Oriental Telephone Company at 15s., equal to a premium of 50 per cent. This will convey an idea of the extremely valuable results which may be obtained by this Company, working as they do under special Concessions of the Austrian Government.

12. The Purchase-money has been fixed by the Consolidated Telephone Construction and Maintenance Company, Limited, who are the Vendors and Promoters of the Company, and who will pay all the expenses up to allotment, not including Brokers' commission.

13. Briefly recapitulated, the following are some of the grounds upon which the Directors consider they are justified in anticipating a successful career for the Company:—

- (1) The popular character of the business, telephonic communication being now universally recognised as indispensable in all mercantile communities.
- (2) The exceptionally small Capital on which dividends will have to be paid.
- (3) The practical impossibility of Competition, the Concessions ensuring a monopoly.
- (4) The exceptional provision in case of the Government exercising its right of pre-emption, by which the terms of purchase shall not only include the repayment of the effective value of the business, but future profits shall be taken into account.
- (5) The favour with which the inauguration of the business has been received in the places in question, together with the fact that no local telegraph arrangements exist within municipal limits.
- (6) The approbation of the Imperial Government, as shown by the exceptional character of the Concession.

The only Agreements that have been entered into on behalf of the Company are

All of the said Agreements, together with the original Concessions and translations of the same, can be inspected at the Offices of the Solicitors to the Company.

6074

Proposal to be submitted to the Board of the Edison
Gower Bell Telephone & Coy by Sir Alexander Armstrong
on behalf of the Board of the Consolidated Telephone & Coy.

- 1 That the Edison Gower Bell Telephone & Coy forthwith create
6% Mortgage Debenture Bonds to the extent of £50,000.
- 2 That £15,000 of the said Debentures be allotted at par to the
Consolidated Telephone & Coy in exchange for the 15,000 shares
of £1 each which the Consolidated bought at par under the
Agreement between the two companies. Interest to rank from
1st January 1885.
- 3 That for the Bills of the Edison Gower Bell Coy (which the
Consolidated are entitled to under clause 8 of the Agreement)
to the extent of £10,000 and of which they now hold Bills to
the extent of £7953.5.5 (Inclusive of certain interest) like
Debentures should be issued at par.
£10,000 of the above issue of Debentures to be kept in
reserve for this purpose.
- 4 The £5,000 remaining Debentures to be sold to provide
money for the further extension of the exchanges in Portugal.
- 5 That the nominal amount of the Capital of the Edison
Gower Bell Coy, now standing at £500,000 in £1 shares
be reduced to £30,000 in £1 shares and that the issued Capital
be reduced in a like manner, the £145,000 held by the
Consolidated to be £14,500 in £1 shares; and the £175,000
held by the Edison party to be reduced to £17,500 in £1 shares
To maintain the balance of voting power as heretofore
the above-mentioned £30,000 Debentures to have 10 votes for each
£100 Bond.

6.

6. Col Gouraud to clear up & thoroughly satisfy the Consolidated Coys. as to the Italian business and to place the Edison Lower Bell Coys. in possession of all the facts which would enable it to enforce its just claims in that quarter.
Col. Gouraud to do the same in respect of Belgium.
- 6a. The Edison Lower Bell Coys. to agree to the Consolidated Coys. view in respect to the former's claim to any portion of the Austrian effects owned by the Consolidated Coys. viz. that the Edison & B. Coys. claim consists only of a share of the £10,000 (part of the purchase money) to be claimed at a future date from the Austrian Coys.
7. That in future all Stoves, Telephones &c as provided for by Clause 8 of the Agreement be paid for in cash or usual monthly terms unless otherwise provided.
8. In order to carry out the foregoing proposals the Board of the Consolidated consider that it is necessary that the two seats occupied by Col. Gouraud and Mr. Spensley on the Board of the Edison Lower Bell Co. should be vacated.
9. These propositions are made with a view to prevent the apparently unavoidable alternative of placing the Company in liquidation early in the ensuing year to the detriment of all parties.

(Signed) Charles Courtop.
Secretary.

9th December, 1884.

(Telephone ?)

List of Patents taken out in Australia & New Zealand

Date of Patent	N ^o	Appoint	Place
14 Feb 1878	24473	A. G. Bell (Refused)	Victoria
13 Aug	25499	J. A. Colson (lapsed)	do
20	25554	J. E. Edwards	do
14 May 1880	28222	J. A. Edison	do
8	28344	Welles & others	do
15 June	28445	Francis Blake	do
12 Aug 1881	29445	J. E. Cropley	do
31 Oct	3112	J. A. Connelly	do
8 Feb 1882	3162	Masters & Draper	do
24 March	3185	Brown & Saunders	do
27 April	3204	Masters & Draper	do
21 June 1880		J. A. Colson	New South Wales
Sept 1878		do	do
26 July 1880		J. Blake	do
16 Sept		J. A. Colson (Welles)	do
7 March 1881		J. E. Cropley	do
14 June		J. A. Hower	do
23 Aug 1882		J. A. Connelly	do
8 June		Brown & Saunders	do
28		J. R. Welles	do
22 July 1880		J. A. Edison	Queensland
24 Aug		Welles & others	do
5 April 1881		J. A. Hower	do
20 June 1882		Brown & Saunders	do
13 July		J. R. Welles	do
28 Aug 1880	1472	Welles & others	New Zealand
13 Oct 1881	519	J. E. Cropley	do
21 Oct	208	J. A. Connelly	South Australia

Original Purchase

£100,000 Shares
50,000 Cash

Amended purchase

£25,000 Shares
40,000 Cash

Bell £10,000 Shares
16,000 Cash

Lowe 5,000 Shares
8,000 Cash

Edison 10,000 ~~Shares~~ Shares
15,000 Cash

1882. Telephone - Foreign - United Kingdom (D-82-056)

This folder contains correspondence, agreements, company minutes, and other documents relating to telephone companies in the United Kingdom. Much of the correspondence pertains to the business of the Oriental Telephone Company, Ltd. and the United Telephone Company, Ltd. Other documents deal with the ongoing dispute over the validity of the patent for the Edison transmitter. Most of the correspondence is by Edison's associate, George E. Gouraud.

All the documents have been filmed except for duplicate copies of selected documents and copies of cable messages filmed in Letterbook, LM-001 (Letterbook Series).

33

Rysshaw
St. James Hotel

N. Y.

Jan: 22. 1882

Dear Mr. Insell,

What the
Board at C want, & what
they consider they are entitled
to ask of Mr. Edison is; a
transfer to them of his Patents
in Australia for telephones,
whether taken in his name or
that of others. Kindly send me
a copy of V's last cable to London
on the subject.

Yours truly,
A. Rysshaw

Mott

W. H. Mott, up Calcutta

6, Lombard Street, E.C.

W. H. Mott if we have telegraphed London January 19/1882

and to send on form of government of Australian Telephone Royalties

W. H. Mott
New York

Jan 20. 82

W. H. Mott

Assignments for signature

Oriental Telephone

Dear Sir,

You will remember that by the agreement with the Oriental Telephone Company certain Royalties arising from licences that you had granted to other parties in Australia and Japan, become the property of the Oriental Company. As everything is now being settled I shall be glad if you will kindly furnish me at your early convenience with a list of the parties from whom these are due with the amounts paid for receivable as from the 14th July 1881

Yours faithfully,
J. Courand

J.C.

c. Lombard Street, E.C.
London, January 21st 1882.

J. A. Edison Esq
65 Fifth Avenue, New York

Dear Sir,
At Colonel Howard's request I beg
to confirm the following cables between you and
From you January 19th
"How should European telephone agreements
be dated"

To you January 20th
"Oriental require assignment Australian
patents and Royalties subject to licences.
"you previously granted Shall I do this.
"I have patents"

From you January 20th
"No Cape Colonies patented"

To you January 20th
"Forward all European patents Deposit
Drexels my account my 280 European
Telephone shares deliverable against exchange
new shares"

From you Jan 21st
"Mail Australian Assignment for signature"

Yours faithfully
J. A. Edison

English Telephone

W. J. P.
WATERBURY & WATERBURY
Solicitors
NEW COURT,
CARTY STREET,
LINCOLNS INN, W.C.

Feb 4. 1882

My dear Sir

I believe that Mr. E. M. Johnson has already called to you the complete success of our action at Birmingham last week in establishing your patent for the carbon transmitter, both as being a good patent in itself, & as covering the microphone when so used.

I give myself the pleasure
of enclosing a copy of the
judgment for your personal.

By this mail I am
sending out to Mr. Fabian
the revised agreement
for your Electric Light Co.,
which is settled by
Mr. Walter Renshaw on
your behalf will and I
trust meet with your
approval in all respects.

There is a very cordial
desire among the investing

shareholders that the
partnership between the
A. & B. shares should be
of the most harmonious &
friendly character, a desire
which I need not say is
strongly shared by

Yours very faithfully

Frederic Waterhouse.

Thos. A. Edison, }
65 Fifth Avenue, }
New York. }

Accd
27th Feb 82

6, Lombard Street, E.C.
London, February 11, 1882.

F. A. Edison Esq^r
65, Fifth Avenue,
New York.

My dear Edison,
I am obliged by yours of the
1st inst, enclosing copy of the agreement between
yourself, & the Western Electrical Manufacturing
Co. as to your electrical patents. I notice that
the royalty is 1st per instrument; but you
do not say how many ^{instruments} are in use, or give
me any figures as to amount received, or
due under this agreement, & whether this will be
required by the Oriental Company, and I
shall be glad if you would let me have
it at your earliest convenience.

Yours very truly



recd
Accd
Pocock
6/14/82

J. W. ...
6, Lombard Street, E.C.
London, E.C. 4, 1882

Edison Esq
65, Fifth Avenue, New York.

Oriental Telephone Company

My Dear Edison, I send you herewith form of Power of Attorney which it is necessary that you should sign, giving me power of substitution to accept on your behalf your Indian, & other Colonial Telephone patents to the Oriental Company. I have given an undertaking to the Company to obtain this from you in order that matters may not be delayed through sending it to New York. I expect that before this reaches you everything will have been completed, and the money paid over. There having however been so many delays in arriving at this conclusion that it is difficult to speak with certainty on the matter; but I have now succeeded in bringing it down to such a point that all now required to be done is to obtain the signature of Mr. Fowler, Scott, & Wollaston to the Power Bill agreement. —

These gentlemen are in various parts of England and the Continent, but messengers are already on the way to each of them to obtain their signatures. As soon as these are obtained, the Solicitor assigns me nothing stands in the way to the money being paid at once over. You will of course understand that the Power of Attorney must be

executed in the presence of a Notary, and legalized
by the English Consul.

Yours faithfully

A handwritten signature in cursive script, appearing to be 'W. W. W.' or similar, written in dark ink.

Original PD
15/3/82

G. Lombard Street, E.C.
London, March 2^d 1882.

To F. A. Edison Esq
65, Fifth Avenue
New York.

My Dear Edison, Oriental Company.

I send you enclosed a copy of a letter I have this day received from Messrs Kewshaw asking certain questions relative to your agreement with the Western Electric Manufacturing Company as to your Australian Telephone Patents.

Will you kindly let me have replies to the several queries? If you could do this by return of mail it would be a great convenience; at any rate I hope you will let the matter have your earliest possible attention.

Yours truly,

J. C. Bourne
J.C.

(Copy)

2, Suffolk Lane,
Cannon StreetTo Colonel Gouraud
6, Lombard Street.

Dear Sir,

Oriental Telephone Co.

We are in receipt of your Letter of yesterday date covering a copy of Mr Edison's memorandum of agreement of 17th January 1880, with reference to his Australian Patents, made with the Western Electric Manufacturing Company, and on the subject of this we shall be glad to have, as soon as possible answers to the following queries:-

- (1) What is the constitution of the Western Electric Manufacturing Company, and where is its registered office?
- (2) Were the conditions named in the agreement by Mr Edison complied with on the Corp part; the first is, that they should at once send a man to Australia; and the second is, that they should interview with them two gentlemen named in the agreement?
- (3) Does one Dollar royalty on each instrument mean two Dollars for each complete telephone?
- (4) The agreement provides for a more formal contract -

contract. Has any such been entered into?

If there are any of these questions which you cannot reply to, will you kindly get Mr Edison's reply to them, and let us have it.

We note that you have already written to Mr Edison for an account of the royalties so far received and due. We presume notice has also been given by Mr Edison to his assignees in Australia of the assignment of the Patents to the Oriental Company.

Yours faithfully
(Signed) Renchaws.

should be of mica with a small coil backing a ^{tinium} shunt
in that figure, and between this and the regulator will be
a thin sheet of platinum properly connected. The
electro-tension regulator will be held in the case with
that Mr. Edison calls a "variable pressure" at the back
adjusted by a screw, and the electro-tension regulator
should be of fibre coated with plumbago. We can then if
we desire it substitute for the ~~platinum-tension regulator~~
the finely divided lamp black, or the compressed plumbago
referred to further on in the specification.

I enclose a copy of the figure in question with
a print of the specification in which I have underlined
what I conceive to be a complete description of the
instrument as shown in this drawing.

The trial is fixed for the 24th of April and I should
like to have a cablegram informing me that the instruments
have been manufactured, tested and despatched
before the end of this month.

The United Telephone Company will pay the cost of
making the instruments which I presume will not be
heavy.

I know that Mr. Edison appreciates the efforts

W. L. G. & Co.
1200 1/2
Washington

My dear Sir,

Telephone action

Referring to our interview this morning, and
to the cablegram which you have just sent to Mr. Edison
it will perhaps be well if you send a line of explanation
by mail. I therefore write you this line that you may forward
it to Mr. Edison with any further explanation you may
think necessary.

The parties who are infringing Mr. Edison's telephone
in this country are continually alleging that the instruments
we are using are manufactured under subsequent patents
and that we cannot produce a single working instrument
made according to the drawings, and descriptions contained
in Mr. Edison's patent of July 1877. It is therefore thought
desirable that we should have a few instruments
manufactured identical in every detail with those described
in that patent. We therefore wish to have half-a-dozen
instruments constructed according to fig. 1. The diaphragm

1, NEW COURT,

CAREY STREET,

LINCOLNS INN, W.C.

5th March 1882.

are making to establish his invention as that controlling
all transmitters in use here, and will give us any
assistance that he can. We are, as you know, in this
case fighting a combination of gentlemen who have
convinced the Atlantic to oppose us here!

Believe me

My dear Sir

Yours faithfully

William H. Winthrop

The agents above alluded to
are Messrs Alfred - Orms
Hutchinson & Torrey
of
Dulbear has

just arrived to assist the
above - consequently we shall
be largely England & U.S. America
his a quarter over an hour
S. H. Johnson Esq. President
57 Holborn Viaduct
F.C. *W.H.*

6, Lombard Street, E.C. 4.
London 11th March 1882

Dear Edison,

Oriental Telephone.

The delay in this matter has been no fault of Yours or mine, or of anyone within my control. The delay for some time past since my last explanation, have been due entirely to the difficulties in the way of disposing of this 4000 Telephone question, and for a long time past the difficulties have been confined to getting the necessary signatures of Scott, Holliston, Alay and Gomez, they being scattered over different parts of the world, and it having been necessary to send the same document to each for his signature. I am happy to say that all the signatures have now been obtained excepting that of Scott, whose whereabouts has been for a long time a mystery, - no one being able to say where he was. At length it was ascertained where he was, and that he would be in Paris yesterday, when if the documents were brought to him by a confidential friend they would be signed. The inference from all this is that he is a fugitive from some sort of justice. However this may be, we do know that the mutual friend sent to Paris with the Agreements, and they may be at

(2)

at this moment executed. They should be here today or on Monday at latest.

I am told that when this document is completed by the signature in question, there remains absolutely nothing to be done, but to exchange the agreements, and receive the money and shares from the Oriental company; but whether some fresh thing may not crop up I will not venture an opinion. I will in this connection only quote the opinions of others. This is Renshaw's opinion, and as it is he who is said to determine what is necessary on the part of the Oriental company to secure them for the money and shares, I presume this is the best opinion we can have. I am told that the cheque is drawn, and the certificate is ready.

Coincidentally with this settlement will have to be completed the Constitution of the Telephone Supply Company, which is a company already registered for the purpose of acquiring the franchise for the 4,000 telephones, and carrying it out, and it is for that that the interests are in their several proportions, and the preliminaries to them are completed, so that unless some unforeseen event occurs to occasion delay, it would appear that when the signature of Scott is obtained the whole thing may be completed. There will ^{be} no delay that I can prevent in the matter of distribution.

(3)

The Anglo-Indian Company will receive their proportion of Shares and Cash direct, they paying their own expenses. The Share and Cash Comg to us (the Indian & Bell interests) will be deposited in the joint names of myself, for the Indian interest, and Bigelow for the Bell interest. I have pinned Hubbard to a point of maximum beyond which his disbursements, which were agreed in the original Vendor's Agreement to be returned out of the proceeds of sales, will not, as I have already advised you, exceed £11,300. His Accounts are to be Audited by Price, and any objections which I may raise are to be referred to him.

We should be able immediately on the receipt of the money and Shares from the Oriental to divide all above the maximum, beyond which it is agreed no expenses shall be allowed, and then ~~make~~ ^{rate} the final distribution of the remainder (if any) after the Audit, which Mr Price has promised shall be done without any delay whatever.

Perhaps you will instruct me what disposition to make of the money Comg to you, and for which purpose I give you the following Code words

"White" to mean Remit by Draft.

"Black" , "Deposit with J.S. Morgan subject to my letter."

'Grey' - to mean "Hand J.S. Morgan's with instructions for Cable transfer."
'Orab' - "Hold in hand subject to my draft."

Received
1891

As you say this thing has seemed to drag on long enough, it being over a year since the sale was made. You must not forget all the circumstances that have led to the delay, and do me an injustice by supposing it has been my fault. I can assure you it has occupied the greater portion of my time throughout this whole year so that the net results to me are absolutely nil, on the contrary I will be out of pocket in every way; at the same time I felt that it all depended upon me to consummate, and I have done my best. Many times have the Vendors considered they would get nothing at all out of it, and rightly too; nor neither would they but for the pertinacity with which I have stuck to the thing, and removed me difficultly after the other. Mr Hubbard will confirm this, as he has repeatedly done so to me and my friends.

Yours very truly
J.C. Jouraud
Jf

CHIEF OFFICE,
"CORNHILL, LONDON."

6, Lombard Street, E.C. 4.
London, 11th March 1882.

Dear Edwin,

United Telephone.

You may well ask is it not about time this was settled also. It is indeed, and a complete settlement is only delayed by the one point of Bergman's account for £500 telephone orders by the Edison Company, as explained to you some time ago.

I have however at length got Mr Price to press the Court to divide the United Shares in his hands, the cash on hand being ample to cover the expenses of liquidation, so that I have only this moment heard from Mr Price that the Court has sanctioned his application, and the shares will be divided next week.

Immediately this is done there will be no delay on my part in settling that transaction, so that on the whole you see things are getting to a settlement, when my time will be left free to new matters that are so pressing in connection with the lights.

Yours very truly
J. Edward
J.E.



ANTWERP, MARCH 13, 1882

THOS. A. EDISON ESQ.

65 FIFTH AVE.

NEW YORK

DEAR SIR;---

I HAVE RECEIVED FROM NEW YORK A COPY OF YOUR LETTER OF THE 27-TH ULT., ASKING FOR A REPORT OF AUSTRALIAN ROYALTIES.

I WROTE TO MELBOURNE ABOUT THREE MONTHS AGO FOR A STATEMENT OF ROYALTY DUE FOR THE FIRST YEAR'S OPERATIONS OF THE MELBOURNE TELEPHONE EXCHANGE, AND AM EXPECTING A REPLY, WITH A DRAFT FOR THE AMOUNT, BY EVERY MAIL. THE EXCHANGE OPENED IN DECEMBER, 1880, WITH ABOUT FORTY SUBSCRIBERS, AND HAD ABOUT 200 ON THE 1-ST OF JANUARY, 1882. I TOLD THEM TO AVERAGE THE SUBSCRIBERS FOR THE YEAR, AND SEND ME A DRAFT TO YOUR ORDER FOR THE AMOUNT.

THE BUSINESS IS GROWING FASTER NOW THAN EVER BEFORE, THE GOVERNMENT HAVING GIVEN US MORE FAVORABLE RATES FOR LINES, BEGINNING JAN. 1, 1882.

YOURS TRULY,

19
WESTERN ELECTRIC MANUFACTURING CO.,

P. O. Box 1745.

CHICAGO, ILL.

52-58 New Church Street,
NEW YORK.

William E. Mott

March 16, 1904
Hon. A. Dixon,
65 Fifth Avenue,
City.

Dear Sir:

Regarding Australian
patents we are awaiting advice
from our Chicago lawyer and
from our Mr. Keller to
whom the matter has been
referred.

The subject is receiving
attention and we shall take
pleasure in forwarding to
you promptly the information
which we cannot bear to
delay.

Yours truly,
Western Electric Mfg. Co.

WESTERN ELECTRIC MANUFACTURING CO.,
62-68 New Church Street,
CHICAGO, ILL. 312-322 North Street,
NEW YORK.

P. O. Box 1745.

March 27/1882
J. A. Edison Esq.
New York

Dear Sir:-

We hand you
herewith letter from Mr. Wells
replying to yours of the 27th
of February.

Yours truly
Western Electric Mfg. Co.

RECEIVED

APR 3 1882

ANSWERED

to address



Orinlat Telephone

Wells

ANTWERP, MARCH 14, 1882

THOS. A. EDISON ESQ.,
NEW YORK

DEAR SIR;---

I HAVE RECEIVED ADVICES FROM MELBOURNE, UNDER DATE OF JAN. 31, TO THE EFFECT THAT MR. JOHN PENDER, CHAIRMAN OF THE ORIENTAL TELEPHONE CO., HAS WRITTEN A LETTER TO THE SUPERINTENDENT OF TELEGRAPHS AT SYDNEY, STATING THAT HIS COMPANY CONTROLS ALL THE TELEPHONE RIGHTS, INCLUDING YOURS, AND THAT NO TELEPHONES CAN BE USED IN AUSTRALIA UNLESS THEY ARE FURNISHED THROUGH HIS COMPANY.

AS WE HAVE BEEN ENDEAVORING TO ESTABLISH A TELEPHONE EXCHANGE AT SYDNEY, THIS ACTION OF MR. PENDER'S INTERFERES WITH OUR NEGOTIATIONS, AND I DESIRE TO ASCERTAIN WHETHER YOU HAVE MADE ANY ARRANGEMENT WITH THE ORIENTAL TELEPHONE CO., WHICH WOULD WARRANT MR. PENDER IN MAKING SUCH A STATEMENT AS THAT REFERRED TO.

WILL YOU PLEASE GIVE THIS MATTER YOUR ATTENTION, AND REPLY AT YOUR EARLIEST CONVENIENCE, THROUGH THE WESTERN ELECTRIC CO.

YOURS TRULY,

F. R. Wells

Acc'd
 1/2/1882
 Oriental Telephone
 1000
 2250
 14850
 14000
 Car. 60000

6 Lombard St,
 London. E.C.
 15th April 1882.

Oriental Telephone.

Received
 1/2/1882
 1000
 2250
 14850
 14000

I am at length able to report one important step
 forward in the settlement of this matter, the company having paid
 in the joint names of the Vendors the whole of the Purchase money
 in Shares.

The next step is to settle the accounts between the Vendors
 and divide the balance, but I hope before this settlement is
 effected to get a partial division, as near the whole nett amount
 as possible.

Meanwhile the cash is not on special deposit at interest,
 and the check of the joint signatories. I see no reason why the
 Shares should not be divided immediately, and I will try and
 have this done next week, when I shall also hope to accomplish
 partial payment.

Please advise me what to do with your share or
 Shares of cash and Stock as received. Shall I hold the
 Shares here or send them to you, and if you order the money to

(2)

to be sent to you, please say how I am to send it. so as to
relieve me of the responsibility in the matter.

Very truly Yours,
William

18
18
18
18

70
I. A. Robinson Esq.
3
Menlo Park

New York.

Acc'd
1st May 1892
Dear Edison,

6 Lombard St. Cal.
London. 15th April 1892.

United Telephone Co. Shares resulting from the
Liquidation of the Edison Telephone Co. of London L^d.

Johnson has requested me on your behalf to sell all your
Shares resulting from the above and to Cable you the proceeds. The Shares have
been sold at 13 $\frac{1}{2}$ %. They were sold for this % on the assurance from Mr Price
that the transfers would be delivered in time for delivery at ~~this~~ account, but
as usual they were not delivered in time. They had to go through Renshaw, -
because the transfers were from Price as liquidator to Renshaw, and then -
Renshaw had to send them to me, and before I could transfer them to the
purchasers they have to be transferred into your name. This I am endeavouring
to have done out of the usual order, and hope to complete it on Monday, then
unless the purchasers insist upon delaying it over until next % I shall
receive the money. Immediately it is received I shall Cable it to you as per
Johnson's instructions which I have no doubt are in order. He requests me
to Cable the full amount received less 20% which is to be paid to Bachelor.
I think for the sake of regularity in my records it would be well for you to
Confirm to me direct the authority to pay the 20% to Bachelor.

Yours truly,
Edison

J. L. Edison Esq.

New York.

Pell
Assignment Telephone

6 Lombard St. E.
London, 18th April 1882.

Dear Edison,

Your Power of Attorney to me dated 5th April
1882, re Oriental Telephone Assignment.

I beg to acknowledge the receipt of your letter
of the 6th inst. enclosing the above, for which I am much
obliged.

Yours faithfully,


J. A. Edison Esq.
65 Fifth Avenue.
New York.

DREXEL MORGAN & CO.
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARRIS & CO.
Paris.

New York April 20th 1882

P. A. Cannon Esq
65 Fifth Ave
City

RECEIVED
APR 21 1882
ANSWERED

Dear Sir

We credit your account today
\$14,508.⁷⁵ equivalent at 4 1/2% of \$2970.
Stg. transferred from Geo. C. Bourard
London. Please sign and return
enclosed receipt in duplicate.

Yours truly
Drexel Morgan & Co

RECEIVED
APR 21 1882
ANSWERED
21 APR 1882

APR 21 1882

Copy
9
Johnson

6 Lombard St. Lb.
London. 24th April 1882.

Dear Sir,

I have to acknowledge the receipt of your cable to-day as follows:-
Pay Johnson five per centum proceeds Oriental then pay Batchelor 1/5th of remainder.

Yours Truly,
Wm. G. ...

W. G. ...
New York.

P.S. I today Cabled Broadwell to pay you £3420, being the net amount due you from the present distribution - £9000 - of Oriental Cash, of which your share is £4500 less 5% to Johnson and 1/5th to Batchelor.

20) 4500 R
225

4500
225
5) 4275
855
3420

DREXEL MORGAN & CO.
Wall St. Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL, HARRIS & CO.
Paris.

New York April 25 1882

T. A. Edison Esq
65 5th Ave
City

Dear Sir

RECEIVED
APR 25 1882

We credit your $\%$ today, \$16,672.⁵⁰
proceeds at 48 1/2% of £3420, trans-
ferred by cable from M^r Geo. E. Howard
London.

We enclose receipt in duplicate
which please sign and return

Yours truly
Drexel Morgan

Lombard St., E.C.

London. 5th May 1882.

My dear Edwin,

I send you by this mail a Statement of Accounts between us up to the present time including my recent remittance. The last time I had the pleasure was on the 30th July 1881, when I rendered an account current showing a balance in your favor of £2216. 7. 2 against which on the same day I cabled Messrs. Morgan & Co., to pay you the sum of 11,000 £. Subsequently to this on November 10th I made a further remittance of \$10,000, which as explained in my letter of December 14th, more than covered the difference between us as to the Glasgow Royalties and the error in the United Shares, as I was particularly desirous you should not suffer any inconvenience for the want of the money pending a settlement of this question.

You will see by the account I now send that I have credited you with £998. 7. 0 on the United Shares, and also with £737. 10/- an amount charged in my statement of May 24th for expenses in connection with the Glasgow Company. With respect to the remaining items of the account I think they will explain themselves.

The transfers for the United Shares coming to the Edwin Trust were sent direct to Renshaw, who sold sufficient therefrom to pay his firm's solicitor charges, and himself as Justice, and handed me the balance, viz. 273 Shares, which I sold in accordance with your wishes, as explained by Johnson, and cabled you the proceeds as soon as received, after deducting 1/5th Share for Dutcher.

The amount credited to you on account of the Oriental Telephone is arrived at as follows: —

£32,000

(2)

£32,000 was deposited with nominees of the Edison and Bell interests from which the Contributions to the Telephone Supply Company; i.e. the Company formed for dealing with the 4000 Telephones taken from Jones, were paid, and a maximum set apart for the expenses as already agreed. The Accounts of these expenses have not yet been rendered by the Bell interests but it was arranged that £9,000 should be paid to the representatives of the Bell and Edison interests pending the general settlement.

The Remittance I made to you through Drexells from this amount is explained in the Account. As soon as the Bell parties get their expenses audited I will have the matter settled up; when the balance of £37,241.10 now standing in my favor can be disposed of.

I of course also hold for you, after deducting 1500, (5% of 30000) 28,500 Deferred Oriental Shares fully paid up. There is at present no market value attached to these shares, as of course there has been no dealing in them. What shall I do with these?

Shall I have Mitchell & Johnson
New proprietors?
Yours faithfully
G. Howard

Recd of Mr. M. D. V.

File No 190, Lombard Street, E.C.
London, 4 May 1882

Dear Edison

Oriental Telephone Co. Ltd.
Australian Royalties

I enclose copy of letter
from Beardsaws dated May 30th '81
above. You should see that no further
delay occurs in giving the fullest information
called for as particularized in their
previous letters, as should any
injury result to the Company from
your delay, they might seek to
hold you liable

Yours faithfully
W. M. M. M.

J. L. Edison Esq
New York

Col^d Bob, Bowland

2 Suffolk Lane,
Cannon Street,
London E.C. 3rd May 1882

Dear Sir,

(Oriental Tel. Co)

We are in receipt of the Power of Attorney
received from Mr Edison for which we are obliged
We are also in receipt of Mr Edison's letter to you
regarding correspondence with Mr Wells with regard
to the Australian Royalties. We would point out
to you this correspondence does not give the in-
formation required and we would ask you to
obtain further details from Mr Edison as soon
as possible

Yours Faithfully
signed Benshaw

Howard
 O. L. REEVE, Street, E. C.
 MAY 25 1882
 LONDON, ENGLAND
 7. 1882
 FILE No. 1882

Dear Sir,

They to enclose copies of the agreement of Nov. 10th as per your cable. I could not send them before because they were out of print.

Yours truly
 G. E. Howard
 H.P.H.

Enclosures

J. A. Edison Esq
 65 Fifth Avenue
 New York.

Accd
to J. J. J. 82

6 Lombard Street, E.C.
London, 24th May 1882

Thomas A. Edison Esq.
New York, U.S.A.

Dear Sir,

Referring to your letter of the 1st May regarding
the withdrawal of your name from the Board of the Consolidated Tel.
Construction & Maintenance Co. I have accordingly conveyed your
wishes to the Secretary of that Company, and you may therefore consider
that you are no longer a Director of that Company.

Yours truly,
W. H. Preece

The United Telephone Company, Limited.

36, COLLEGE STREET, LONDON, W.

DEAR SIR,

The Board of Directors have thought that the Shareholders would wish to receive some report from them of the result of the litigation which has taken place on the subject of the Company's patents, and more especially as to the result of the recent proceedings before Mr. Justice Fry.

You are aware that the Company has been advised that Mr. Edison's patent of 1877 covers the various forms of carbon transmitter which have since been patented, and which have been to some extent used in this country, and that Professor Bell's patent covers the various forms of magneto receivers which are generally used with the infringing transmitters.

Proceedings were commenced in the autumn of last year against infringers, both in England and in Scotland. The first of these actions came to trial in Edinburgh, in January last, and, after a trial which occupied five days, Lord McLaren gave judgment in favour of the Company on all points, upholding the validity of both patents, and granting injunctions in respect of the use of both transmitter and receiver with costs. Against this decision the defendant appealed, but he did not prosecute the appeal, which was dismissed on the 10th inst. with costs. The injunctions will therefore be at once enforced in Scotland, and all necessary proceedings taken against other persons making, selling, or using the infringing instruments in that country.

Immediately after the judgment of Lord McLaren had been given in the Scotch action, an action was commenced in this country against Messrs. Theller & Sons, of London, the manufacturers of the transmitters, used by the defendant in the Scotch action; and an application for an injunction was made to the Court on the 2nd of March last. Messrs. Theller & Sons declined to contest the question, and submitted to a perpetual injunction, with costs. They also submitted to give up the infringing instruments in their possession.

On the 18th January last an action was commenced against Messrs. Harrison, Cox-Walker & Co., of Darlington, to restrain them from selling a form of transmitter known as Hunning's and two different forms of magneto receivers known as Cox-Walker's and Hickley's. This action was brought to trial on the 24th of April, and after a hearing extending over 15 days, in which every possible question was raised by the defendants, both as to the validity of the Company's patents and as to the infringement of those patents by the instruments complained

ORIGINAL DOCUMENTS

of Mr. Justice Fry delivered his judgment on the 19th instant. He upheld the validity of the Bell Patent, and decided that the instruments manufactured and sold by the defendants were infringements of that patent, and granted the injunction asked, with costs. He also decided that the transmitters complained of were within Mr. Edison's specification and claim, and that the objections raised to the validity of that patent, which were based upon various alleged prior inventions and publications, were not well founded, but he held that the claim for the phonograph (which is included in the same patent) was not a good claim, on the ground that the provisional specification did not sufficiently disclose the nature of this invention, and on this ground he refused the injunction sought.

The point thus taken by the learned Judge is a highly technical one, which is not very easy of explanation to those who are not well versed in the English Patent Law. The point was taken and strongly pressed before the Scotch Courts, and was there decided in favour of the Company. There is therefore a direct conflict between the Scotch and English Courts on this point. The matter has received careful consideration, not only from the Company's Solicitors, but from Mr. J. HENRY JOHNSON, the Company's Patent Agent, and from Mr. ASTON, Q.C., Mr. WESSLER, Q.C., Mr. COZZES-HARDY, Q.C., and Mr. MOUTON, the Counsel who have so ably conducted the proceedings on behalf of the Company. They are unanimously of opinion that the decision of the Scotch Court on this point is right, and, acting upon their advice, the Directors have already given notice of appeal to a higher Court. Should the decision of this Court be favourable to the Company, the question will be set at rest, and, the scientific questions involved having already been decided in favour of the Company by two Courts, the Company's position upon its patents will be finally established.

It should further be mentioned, that the objection taken by Mr. Justice Fry to Mr. Edison's patent is one which, (as already pointed out in the "Times" of the 20th inst.) can be cured by an application to the law officer of the Crown, for leave to disclaim the phonograph.

The Directors are therefore satisfied that they will be able at no distant date to establish the validity of the patent for the Edison transmitter, in England as well as in Scotland, and under it to restrain the sale of all existing forms of the carbon transmitter. In the meantime, active measures are being adopted to stop the further infringement of the magneto receiver.

Yours faithfully,

JAMES BRAND,

Chairman.

Vertical stamp or handwritten note on the right margin, partially illegible.

Lombard St. Cal.
London. 25th June 1852.

14
Thomas A. Edison Esq.
New York.

79 Dear Edison,
I have again been called upon by the Solicitors to the Oriental Company for the further information required concerning the Royalties payable to you, and the other information previously asked for in connection with the Licences under the Australian Patents.

Your letter of the 15th ult. is the last communication I received upon the subject, and by reference to it I was to have further information as soon as you yourself had the ~~the~~ information required.

Yours truly,
J. Mason

c. Lombard Street, &c.
London. 7th June 1882.

Thomas A. Edison Esq.
Menlo Park, New York.

Dear Edison, I beg to confirm your cable to have as follows: -
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 846. 847. 848. 849. 850. 851. 852. 853. 854. 855. 856. 857. 858. 859. 860. 861. 862. 863. 864. 865. 866. 867. 868. 869. 870. 871. 872. 873. 874. 875. 876. 877. 878. 879. 880. 881. 882. 883. 884. 885. 886. 887. 888. 889. 890. 891. 892. 893. 894. 895. 896. 897. 898. 899. 900. 901. 902. 903. 904. 905. 906. 907. 908. 909. 910. 911. 912. 913. 914. 915. 916. 917. 918. 919. 920. 921. 922. 923. 924. 925. 926. 927. 928. 929. 930. 931. 932. 933. 934. 935. 936. 937. 938. 939. 940. 941. 942. 943. 944. 945. 946. 947. 948. 949. 950. 951. 952. 953. 954. 955. 956. 957. 958. 959. 960. 961. 962. 963. 964. 965. 966. 967. 968. 969. 970. 971. 972. 973. 974. 975. 976. 977. 978. 979. 980. 981. 982. 983. 984. 985. 986. 987. 988. 989. 990. 991. 992. 993. 994. 995. 996. 997. 998. 999. 1000.

Mr. Edison explains that your object was in order that he might sell them, and to do so it is not necessary to transfer them into his name as they could not be sold before he leaves. He wrote on the bottom of your cable for my guidance the following: - "Please hold these shares as they now stand in Mr. Edison's name. Mr. Edison wanted me to sell them, but I will not be able to do so by the time I leave for home."

The shares therefore still stand in your name, and having regard to the above cable I now await your further instructions as to what to do with them. I have made them out in the following form: -

• 14 participations of £100 each, and 10 of £2000 each = 11,400 shares.

Yours truly,

W. H. P. [Signature]

Write him
to forward certificates

when required - Will you please
obtain Mr. Edison's signature to
this notice & have the one copy be
sent to the Western Electric Company
with as little delay as possible
& the duplicate returned to us
with a notification as to what
has been done with the other part

Yours truly

Arms & Co

Recd
28th June 87

19
June 15-87
2. Piffell Lind
Kensington
London, W. 18th June 87

Samuel Insull Esq

J. C. Edison Esq
65 Fifth Avenue
New York City

Dear Sir,

Oriental Telephone Co. Limited
Mr. Edison's Australian Royalties

We now enclose in duplicate
form of notice from Mr. Edison
to the Western Electric Manufacturing
Company of New York to pay all
royalties & other claims of money
that have become payable under
any of the licenses granted to them
by Mr. Edison since the 25th January
1887 to the Oriental Telephone Company
to pay all future royalties
to that company & their accounts

DREXEL MORGAN & CO.
Wall St. Corner Zeeb
New York
DIRECTOR & CO.
INCORPORATED
DREXEL, STUBBS & CO.

New York 15th June 1882

W. O. Edison Esq
Crescent Park

Dear Sir

We wired you today as

follows -

Just received following cable
from Morgan, Ransom Johnson says
prospects outlook not favorable may
necessitate our re-investment cash
help out. Have you any suggestions to
make. We will cable you later about.
We wish to cable authorizing re-
investment retaining sufficient to
cover patent outlay. Telegraph your
views early.

and have received the following
reply -

"Will agree to re-investment
proceeds Colonial if you think
necessary."

Yours truly
H. Drexel Morgan & Co
at Princeton

16
22 volume

In the High Court of Justice.

CHANCERY DIVISION.

Litcote's Inn,

22nd June, 1882.

Before MR. JUSTICE FRY.

THE LONDON AND GLOBE TELEPHONE AND MAINTENANCE
COMPANY, LIMITED,

vs.
THE UNITED TELEPHONE COMPANY, LIMITED.

[*Transcript of Messrs. W. & C. Cooke's Shorthand Notes.*]

JUDGMENT.

MR. JUSTICE FRY.—The law which is applicable to this case I take to be shortly stated by Lord Justice Lindley, in the case of *Halcy v. Brotherhood*. He says, *Wren v. Weild* comes to this: If I am a patentee; so long as I act honestly I am entitled to say, without running a risk of having an action for damages brought against me, that somebody is infringing my patent, or that somebody else's manufacture is an infringement of my patent. If I say that honestly, I am not liable to an action for damages. If I say it dishonestly, I am so liable, and if I know that what I say is untrue, it would not take much to persuade a jury that I was acting dishonestly, and then an action for damages would lie. The absence of reasonable and probable cause would be proved as against anybody who kept on making such allegations dishonestly; but so long as a patentee makes such allegations honestly, *Wren v. Weild* shows that no action lies against him. It seems to me also that no injunction will lie against him so long as he acts honestly.

The questions which I have therefore to determine in the present case are two. In the first place—Are the Defendants acting honestly in insisting upon their right to issue the notice complained of? and, in the second place—Have the Plaintiffs satisfied me that they are sustaining any injury from the publication of this notice?

The facts are these. The Defendant Company issued a notice in this form—"No form of Magneto-Telephone, and no form of Transmitter, in which carbon or any other equivalent substance is employed, whether known as Edison's, Mosely's, Hunning's, Cruesley's, Gower's, or by any other name, can be manufactured, sold, supplied, or used in this country, except under licence from the United Telephone Company, Limited. Proceedings will be taken against persons infringing the Company's patent and other rights as above set forth."

I determined in the action which was before me, that Hanning's Patent could be manufactured, sold, supplied, and used in this country, without a licence from the United Telephone Company. I therefore, rightly or wrongly, determined the very opposite of the proposition which the Defendants put forward. I am perfectly alive to the very great probability that my decision may be wrong. I know it is at variance with the decision of an eminent judge in Scotland; but, however great my sense of doubt may be as to the ultimate decision of the case, I am bound to act upon it, just in the same way as I should feel myself bound to act on the decision of any judge sitting in any of the other courts of this country. I cannot, on any grounds of modesty, refuse to act upon my own decision. That being so, I take it, the Defendants are now alleging the very opposite of that which a competent court has decided to be the case.

It is suggested that they are doing this *bona fide*. Now, how stands the matter as to *bona fides*?

In May, the present Plaintiffs complained of the circular, and the Solicitors of the Defendants, Messrs. Waterhouse and Winterbottom, informed the Plaintiffs' Solicitor--"Immediately after the decision of Mr. Justice Fry, we informed the Secretary that it would be necessary to make alterations in the notice respecting infringements in accordance with the present position of matters, and these amended statements will appear in the next issue. In the meantime any copies of the existing list which remain in the Company's hands will not be sent out." Nothing could be more straightforward or proper on their part. They gave the very best advice to the Company. They advised the Company not merely that it was expedient, but that it was necessary that the notice should be altered, and they gave what was equivalent to an undertaking that no further lists should be sent out. Unfortunately, the Company have not only not kept that undertaking, but they have been, subsequent to the letter, a circular containing the obnoxious paragraph, and the Company have also thought fit to assert their right to do so. They issue that, after the advice of their solicitors, that an alteration was necessary; and after the fact that that advice which had been tendered to the Company had been made known to the persons whose interests were affected by it. To have issued that, with knowledge of the necessity of an alteration, was not in my opinion right, and I do not believe that the Company ever intended to do it. If it had not been for the justification that there may have been a slip, there would have been really no case. However, they choose to assert their right, notwithstanding the advice of their solicitors that an alteration was necessary. I am bound to say that I do not think the statement is one which an honest man would make. I do not think that an honest man would desire, without speaking subject to a condition, or referring to the decision of the Court, to say in an unqualified manner that that which a competent Court has decided to be false, is true. If, notwithstanding my decision, they had stated their opinion as to the superiority of the decision of Lord McLaren to that of mine, or if they had in any way indicated that a Court of competent jurisdiction had decided contrary to what I had decided, no objection could be taken. I repeat the unqualified setting forth of a proposition which a competent Court has determined to be false, and which affects the interest of a third person is not, in my judgment, a statement which an honest man would make, still less could it be made honestly after they had been advised by competent solicitors that the statement must be altered. I come, therefore, to the conclusion that the Company are not honestly asserting their right when they assert a right to retain this paragraph.

The next question is this, have the Plaintiffs shown that their pecuniary interest and their rights are likely in all probability to be affected by the statements so set out by the Defendants? It appears that the Plaintiff Company are the assignees of the other Plaintiffs, Messrs. Ormes & Eldred. It appears that Messrs. Ormes & Eldred have ever since June, 1881 been the assignees of Mr. Hunning's patent. It appears that in consequence of similar statements, their royalties have been brought down to zero, and I cannot for a moment doubt that what has had an effect in the time past will have the same effect in the time to come, and that if those statements are allowed to go forth, the interest of the Plaintiffs in the patent will be injuriously affected. It appears that whereas before the statements were made, a large trade was done by the licensees of Messrs. Ormes & Eldred, that business has greatly dwindled away.

I think, therefore, the Plaintiffs have shown that they have a pecuniary interest which is liable to be affected and injured by the statements made in the notice.

The result will be, that I must grant an injunction, the terms of which will require a little consideration. It appears to me that I must restrain the Defendants from setting out the paragraph which I have read, and from making any other statement that Hunning's Transmitter can not be manufactured, sold, supplied or used in this country except under the licence of the Defendant Company without reference to my decision; that is to say, I do not restrain them from saying that, provided they inform the public at the same time, that I have decided the contrary. They are not to make the statement unless they qualify it by a reference to my decision, so long as that decision remains unreversed. There will be an injunction until the trial or further order.

6 Lombard St. Cal.

London. 30th June 1852.

Thomas Alva. Edison Esq.

New Jersey

Oriental Company.

Dear Sir,

I herewith send you copies of two letters received from Renouard, by which you will see that he does ask very specific questions, and at the same time questions that for the most part can be answered. At any rate, and since you will do everything in your power to get the information, at a time to understand why it

is not to be done is a most *importantly* and do not let me know the result of the information of the *G. & Co. Renouard Esq.* and let me know the result of the information of the *G. & Co. Renouard Esq.*

Yours truly,

Copy.

2 Suffolk Lane, Cal.

2nd March 1882

Col. Gouraud.

6 Lombard Street

Dear Sir,

Oriental Telephone Co.

We are in receipt of your letter of yesterday date covering a Copy of Mr Edison's Memorandum of Agreement of 17th January 1880, with reference to his Australian patents, + with the Western Electric Manufacturing Company, and on the subject of this memorandum we shall be glad to have as soon as possible answers to the following queries:—

- (1) What is the Constitution of the Western Electric Mfg Co. + where is its registered office?
- (2) Now, the Conditions named in the Agreement by Mr Edison Complied with on the for. part, the first is that they should at once send a man to Australia and the second is that they should interest with them two Gentlemen named in the Agreement?
- (3) Does one Dollar royalty on each instrument mean \$2 for each Complete Telephone?
- (4) The Agreement provides for a more formal Contract. Has any such been entered into?

If there are any of these questions which you cannot reply to, will you kindly get Mr Edison's reply to them and let us have it?

We note that you have already written to Mr Edison for an account of the Royalties so far received and due. He proesame notice has also been given by Mr Edison to his licensees in Australasia of the Assignm^t of the Patents to the Oriental Co.

Yours faithfully
R. Nasharo.

Copy.

2 Suffolk Lane, Cannon St. Ed.
 London. 15th June 1882.

Dear Sir, Oriental Co.

We duly received your letter of 13th inst. On the 19th Dec^r last we wrote to Messrs Ashurst, Morris & Co. a letter of which we now enclose you a copy. In that letter we were referred to you for a reply. On the 2nd March we wrote you in the specific terms shown by copy of that letter annexed. In neither of these letters have we ever received anything like a categorical reply, and if copies of them were sent out to Mr. Edmonson we are at a loss to understand why he says that we ask for details in a most general manner and do not specify what details. You will observe one of the letters goes back for 6 months and the other more than 3 months.

Yours truly,

(Signed) Renshaws.

Colonel G. S. Edwards
 6 Lombard St. Ed.

WESTERN ELECTRIC MANUFACTURING CO.,
62-68 New Church Street,
NEW YORK.

P. O. Box 1745.

CHICAGO,
170-222 Main Street.

July 11, 1882.
Sam'l Small Esq.
65 Fifth Avenue
City.

Dear Sir,

We had hoped
to hear from you ere
this regarding the stock
to be issued to Mr.
Bliss and which he
had authorized to
be given to us
in part payment.

Small 2
WESTERN ELECTRIC MANUFACTURING CO.,
62-68 New Church Street,
NEW YORK.

P. O. Box 1745.

CHICAGO,
170-222 Main Street.

for amount owed us
by him. A reply
regarding same would
oblige us.

We take the liberty
also of enclosing
statement of stand-
ing account
on our books agst
Edison Telph. Co. yours.
Your attention & reply to
same will oblige.

Yours truly
Wm. Patrick W. C.
Brown.

your favor of 11th inst
 came to hand while
 I was away with
 Mr. Edwin Greber
 I will however find
 it my duty to ad-
 dress you as
 I write you again
 on the subject.

P. O. Box 1740.

STATEMENT.

P. O. Box 1740
 NEW YORK July 1 1882
 Edison Tel Co of Central
 City

220-23 Wide Street,
CHICAGO.

In Acc't with WESTERN ELECTRIC MANUFACTURING CO.
 Accounts Payable in New York or
 Chicago Exchange. 62-68 NEW CHURCH STREET.

| Payable to or for | | Amount |
|-------------------|--|------------|
| James | | 154.188 21 |
| To Balance | | 97.000 |
| Total | | 251.188 21 |

Mr. J. Russell.

10

2, Suffolk Lane,
Canons Street,

London, E.C. 14th July 1882.

Dear Sir,

Oriental Tel Co

Enclosed is receipt of the duplicate
copies to the Western Electric
Manufacturing Co. as to the
payment of Cavalieri's duty
export and inward, on which
we thank you.

Yours faithfully
Ernest Havas

File

The United Telephone Company, Limited.

NOTICE IS HEREBY GIVEN, that the SECOND ANNUAL ORDINARY GENERAL MEETING of this Company will be held at the CITY TERMINUS HOTEL, CANNON STREET, LONDON, E.C., on Tuesday, the 1st day of August, 1882, at half-past twelve o'clock p.m., for the purpose of receiving, and if thought desirable, of adopting the Report of the Directors and the Accounts for the year ending April 30th, 1882; also for the purpose of confirming two Agreements—the one made with Mr. ARTHUR DUDGEON, of 32, Merrion Square, Dublin, and the other made with Mr. GEORGE HUNTER ROBERTSON, of 33, Brown's Buildings, Liverpool. The above Agreements respectively are for granting, in the first case, to a Company formed under the name of "The Telephone Company of Ireland, Limited," and in the second case, to a Company intended to be formed under the name of "The Western Counties and South Wales Telephone Company, Limited," exclusive licenses for the use of the Company's Patents in certain districts, partly in consideration of Fully-paid Shares in such respective Companies and partly in consideration of Royalties; and in connection with such licenses to sell for Fully-paid Shares and Cash any business now carried on by the Company within the districts comprised in such licenses respectively and any property used in such business.

The Balance Sheet and Report will follow in due course.

If unable to attend the Meeting, kindly sign the accompanying Proxy, and return it in the enclosed envelope, to the Offices of the Company before 2 o'clock p.m. on Friday, July 28th.

By order of the Board,

JAMES BRAND,

Chairman.

Dated July 21st, 1882.

36, COLEMAN STREET, LONDON, E.C.

NOTE—The Transfer Books of the Company will be closed from Monday, July 24th, until Saturday, August 5th, both days included.



The United Telephone Company, Limited.

I, _____ of _____
in the County of _____ being a Member of THE UNITED TELEPHONE
COMPANY, LIMITED, hereby appoint JAMES BRAND, of 65, New Broad Street,
in the City of London, Esquire, whom failing, JAMES STAATS FORBES, of
14, Ashley Place, Westminster, Esquire, whom failing, JOHN HENRY AGNEW,
of 5, Mount Street, Manchester, Esquire (being likewise Members of the
Company), as my proxy to vote for me, and on my behalf, at the General
Meeting of the Company, to be held on the 1st day of August, 1882, and at any
adjournment thereof.

AS WITNESS my hand, this _____ day of _____ 1882.

United Telephone Company, Limited.

Chairman.

JAMES BRAND, Esq.

Deputy Chairman.

JAMES STAATS FORBES, Esq.

JOHN HENRY AGNEW, Esq.

COL. GOURAUD.

JOHN W. BATTEN, Esq.

DILLWYN FARRISH, Esq.

W. CUTHBERT QUILTER, Esq.

Managing Director.

JOSEPH B. MORGAN, Esq.

REPORT OF THE DIRECTORS,

FOR THE YEAR ENDING 30th APRIL, 1882,

Presented to the Shareholders, at the SECOND ANNUAL ORDINARY GENERAL MEETING of the Company, to be held at the CITY TERMINUS HOTEL, CANNON STREET, LONDON, on Tuesday, the 1st August, 1882, at Half-past 12 o'clock p.m.

- CAPITAL EXPENDITURE.**—A reference to the Capital Account will show that up to 30th April, 1882, the sum of £159,966. 13s. 8d. has been expended upon the works in connection with the London and Provincial Exchanges and the Stock of Instruments; being £51,739. 9s. 6d. more than the outlay shown in the last balance-sheet.
- REVENUE.**—The Revenue Account shows that the receipts of the Company from all sources properly attributable to the year have been £12,624. 15s. 3d. as against £20,644. 10s. 6d. in the preceding year, or an increase of £8,020. 4s. 9d.
- WORKING EXPENSES.**—The Working Expenses of the year have been £21,050. 4s. 3d., as against £20,273. 12s. 11d. for the preceding year, or an increase of £776. 11s. 4d.
- DIVIDEND.**—The Balance of Net Revenue is £21,945. 8s. 7d., and the Directors recommend the distribution of a dividend of 5 per cent. for the year, leaving a Balance of £1,945. 8s. 7d. to be carried forward. Subject to the approval of the Proprietors it is intended that this dividend shall be payable on the 2nd August.
- PROGRESS OF THE BUSINESS.**—The above figures of themselves illustrate the progress of the business. It will be observed that whilst the working expenses have but slightly increased, the receipts have more than doubled; and the Board feel that, considering the short time the Company has been in existence and the many difficulties that have had to be overcome in creating and meeting a new public want, the result may be regarded as very satisfactory.

As an evidence of the progress of the business it may be stated that the number of Subscribers to the London Exchanges of the Company has increased from 914 on the 30th April, 1881, to 1,673 on the 30th April, 1882. Since that date a large additional number, (which is growing from day to day,) have been secured. The Private line business has increased from 186 lines to 366 during the year.

Considering that the public are only beginning to realize the great convenience, and saving of time and expense consequent upon the use of the Telephonic Exchange system, and having regard to the practical difficulty attending the erection of the necessary machinery for the efficient performance of the Service, the Board hope that these results will be appreciated by the Proprietors.

- RELATIONS WITH THE POST OFFICE.**—The Board are happy to be able to say that they are working in harmony with the Post Office, and they feel assured that as every day must manifest, more and more clearly, how admirable and indispensable an adjunct to the work of the Post Office the telephone is, the relations with that Department will extend and become closer. The recent declaration of the Postmaster General that the Post Office do not favour a monopoly of telephonic communication either for themselves or others is so far satisfactory that it will enable the Department to grant the Company licences for many important towns and districts from which they have hitherto been excluded pending that decision. As to the policy itself it will no doubt satisfy an abstract principle, but if widely applied it can only lead to embarrassment and serious limitation in the use and value of Telephonic Exchanges, which depend upon the possibility of placing the whole of the Subscribers in any town or district in communication with each other. This great object will be seriously impeded by the multiplication of competitive Companies, (assuming any of them to progress the means of competition without infringing the rights of this Company,) each having a number of Subscribers cut off from the Subscribers of the other.
- LITIGATION AS TO PATENTS.**—The Board have from time to time during the year notified to the Proprietors the result of the several proceedings brought upon them for the protection of their rights. It is, therefore, not necessary to say more on the subject than that in the Scotch case the Company's position as exclusive owners of all the essential patents was explicitly

and fully confirmed; whilst in the English case the validity of the Bell patents was entirely established, and the validity of the other patents practically so, the judgment being entirely in favour of the Company as regards the transmitters and only failing by reason of a purely technical point not affecting the real question. The Board have taken all necessary measures both by appeal and disclaimer to remedy the failure, and they are advised that their claim to possess the only possible as well as the best telephonic instruments must shortly be finally established.

- 8.] **DISTRICT COMPANIES.**—The Board, following the policy already adopted of making over to persons locally interested the management of the Telephone business within the limits of particular Districts, conditionally upon the formation of District Companies affiliated to the parent Company, have to ask the Shareholders to confirm the Agreements in relation to the "Telephone Company of Ireland, Limited," and the "Western Counties and South Wales Telephone Company, Limited."

The general basis of the Agreements under which the business is transferred is the repayment to the United Company of all sums expended by them in the Districts up to the date of the transfer of the business, one-half of the Ordinary Capital of the District Companies, and the further payment of Annual Royalties upon the Telephones used.

Negotiations are also pending for the creation of other subsidiary District Companies.

9. **RETIRING DIRECTORS.**—In accordance with the Articles of Association, three Members of the Board, Messrs. John W. Bates, Joseph B. Morgan and Col. Gouraud, will retire at this meeting. Being eligible, they will offer themselves for re-election.
10. **RETIRING AUDITORS.**—The Auditors, Messrs. Quilter, Hall and Co., and Messrs. Price, Waterhouse and Co., also retire, and will be eligible for re-election.

JAMES BRAND,

Chairman.

THE UNITED TELEPHONE COMPANY, LIMITED.

| CAPITAL ACCOUNT, 30th APRIL, 1882. | | | | Cr. | | | |
|---|---------|----|----|---|---------|----|----|
| Dr. | £ | s. | d. | By | £ | s. | d. |
| To Purchase of Patents, Goodwill, &c. | 235,041 | 0 | 3 | By Share Capital— | 100,000 | 0 | 0 |
| Less— | | | | 100,000 Shares of £5 each | 100,000 | 0 | 0 |
| Sundry Reserves | 309 | 11 | 7 | Whereof issued 40,000 Shares of £5 each paid up | 200,000 | 0 | 0 |
| Legal Expenses, re Patents | 335,181 | 8 | 8 | | | | |
| | 4,702 | 9 | 8 | | | | |
| | 310,333 | 18 | 1 | | | | |
| T. Expenditure on London Exchange System, Tents, Wire, Instruments, &c. | 38,187 | 10 | 4 | | | | |
| To Provincial Exchange | 9,877 | 1 | 4 | | | | |
| To Sundry Stocks of Instruments, &c., in the Provinces | 11,921 | 16 | 0 | | | | |
| To Balances carried to Balance Sheet | 3,129 | 8 | 3 | | | | |
| | 440,092 | 0 | 0 | | | | |
| | | | | £400,000 | 0 | 0 | 0 |

| REVENUE ACCOUNT FOR THE YEAR ENDING 30th APRIL, 1882. | | | | Cr. | | | |
|--|---------|----|----|--|--------|----|----|
| Dr. | £ | s. | d. | By | £ | s. | d. |
| To General Charges, viz.— | | | | By Balance from last Account | 370 | 17 | 7 |
| Directors' Remuneration, as per Articles of Association | 1,500 | 0 | 0 | By Subscriptions and Rentals (London)— | | | |
| Salaries and Wages (General Management and Offices) | 8,838 | 0 | 0 | Brought forward from last Account | 8,479 | 1 | 7 |
| Stationery, Printing, Advertising and Signs | 2,016 | 7 | 8 | Subscriptions received and outstanding | 20,483 | 2 | 7 |
| Travelling Expenses and other Charges | 508 | 16 | 2 | Rentals do. do. | 4,370 | 1 | 4 |
| Provision placed against amounts recoverable from Provincial Companies (see Balance Sheet) | 3,000 | 0 | 0 | Defunct— | | | |
| | 10,411 | 6 | 10 | Post Office Royalties | 2,029 | 7 | 7 |
| Less— | | | | Proprietors of Subscriptions and Rentals carried forward to next year's Account for unexpired term | 15,189 | 17 | 5 |
| Rent, Rates, Taxes, and Insurance | 3,129 | 0 | 2 | | | | |
| Wages and Expenses incidental to the working and maintenance of the London Exchange System | 4,511 | 10 | 6 | By Subscriptions and Rentals (Provincial) | | | |
| To Expenditure at Provincial Stations, now being worked by the Company | 10,412 | 3 | 10 | Brought forward from last Account | 1,659 | 11 | 7 |
| Less— | | | | Received and outstanding | 3,269 | 8 | 7 |
| Royalties received from Subsidiary Companies | 1,923 | 11 | 1 | | | | |
| | 8,488 | 0 | 0 | By Royalties, received and estimated | 5,425 | 1 | 8 |
| Chargeable to Capital | 3,109 | 0 | 0 | By Interest | 971 | 3 | 11 |
| | 2,388 | 0 | 0 | By Shares on hand | 249 | 0 | 0 |
| To Balance carried to Balance Sheet | 21,918 | 8 | 7 | By Estimated further Dividends on Shares | 1,800 | 0 | 0 |
| | 242,958 | 12 | 10 | | | | |
| | | | | £242,958 | 12 | 10 | 10 |

| BALANCE SHEET, 30th APRIL, 1882. | | | | Cr. | | | |
|--|----------|----|----|--|---------|----|----|
| Dr. | £ | s. | d. | By | £ | s. | d. |
| To Capital Account— | | | | By Less of Coleman Street Office and Furniture and Furnishings there, and at other Offices and Exchanges | 2,748 | 17 | 3 |
| Balance of that Account | 15,921 | 9 | 8 | By Shares in other Companies, viz.— | 12,056 | 6 | 0 |
| To Amount received in respect of shares issued in the following Companies, viz.— | | | | 45,000 Shares of £5 each, fully paid, in The National Telephone Company, Limited | 225,000 | 0 | 0 |
| Cash received from The Lanchester and Cheshire Telephone Exchange, Limited | 50,000 | 0 | 0 | 50,000 Shares of £1 each, fully paid, in The Lanchester and Cheshire Telephone Exchange, Limited | 50,000 | 0 | 0 |
| 45,000 Ordinary Shares of £5 each, fully paid in The National Telephone Company, Limited | 225,000 | 0 | 0 | 7,000 Shares of £5 each, fully paid in The Northern District Telephone Company, Limited | 35,000 | 0 | 0 |
| 50,000 Ordinary Shares of £1 each, fully paid in The Lanchester and Cheshire Telephone Exchange, Limited | 50,000 | 0 | 0 | 100 Preference Shares of £10 each in The National Telephone Company, Limited | 1,000 | 0 | 0 |
| 7,000 Ordinary Shares of £5 each, fully paid in The Northern District Telephone Company, Limited | 35,000 | 0 | 0 | By Estimated Dividends from subsidiary Companies | 1,800 | 0 | 0 |
| Defunct— | 302,600 | 0 | 0 | By Debts | 15,772 | 0 | 0 |
| Bounty of 10s. per Share, paid on 80,000 Shares, out of the Cash Reserve | 235,000 | 0 | 0 | By do. for Subscriptions and Rentals outstanding | 1,291 | 3 | 0 |
| of the above | 240,000 | 0 | 0 | By Loss on Security | 37,500 | 0 | 0 |
| Proportion of Legal Expenses | 350 | 0 | 0 | By Cash— | | | |
| Proportion of Management Expenses | 3,000 | 0 | 0 | At Bank | 6,011 | 18 | 9 |
| | 43,550 | 0 | 0 | In hand, London and Provinces | 145 | 12 | 7 |
| To Reserve Account— | | | | | | | |
| Premiums on Shares | 2,300 | 0 | 0 | | | | |
| To Reserve Account, year 1882-3— | | | | | | | |
| Proportion of Subscriptions and Rentals in respect of periods extending beyond 30th April, 1882 | 18,489 | 17 | 6 | | | | |
| To Profit and Loss Account— | | | | | | | |
| Balance at Credit thereof | 21,918 | 8 | 7 | | | | |
| | £280,946 | 3 | 11 | | | | |
| | | | | £280,946 | 3 | 11 | 11 |

We have examined, and hereby certify the correctness of the foregoing Balance Sheet, subject to the following remarks—

We are of opinion that some portion of the Income from Royalties may not be available as Income for the current year, but may be distributable over the period of the existence of the Patents.

We accept the Directors' Estimate of £5,000 as being the proportion of General Expenses applicable to the sale of privileges to the Provincial Companies.

The Directors have adhered to the policy of not writing off for the present any sum for depreciation, (if any) of the Book value of the Patents and Goodwill, and in this course we concur.

GUILTER, BALL & Co.
FISHER, WATKINSON & Co. } *Auditors.*

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THE UNITED TELEPHONE COMPANY, LIMITED.

36, COLEMAN STREET.

LONDON, E.C. 11. 4th Aug 1882

REPLY TO BE
ADDRESSED TO
THE SECRETARY

Thomas Aldison Esq

Dear Sir,

Messrs Hetherington
& Hetherington have handed
us your ac^t for the 6 Telephones
specially made & expenses
thereon & we have much
pleasure in enclosing a
cheque for £ 31. 8/- the
rate of exchange being
taken at 4. 88. Your
receipt in due course will
oblige.

Yours faithfully,
Albert Snow,
for Secretary.

I beg to acknowledge
your favour of
7th of August 1882
for £ 31. 8. 6/0
which I enclose
herewith to you

REID & HAIR,
C.A.

Clyde Dale Bank Buildings,
40, St. Vincent Place,
Glasgow, 14th August 1882.

Dear Sir,

The Edison Telephone Co. of Glasgow Ltd.
in Liquidation

The affairs of this Company being now fully wound up, I hereby call a General Meeting of the Company, to be held here on Wednesday the 20th day of September next, at twelve o'clock noon, for the purpose of having laid before them the accounts of the Liquidator, showing the manner in which the winding up has been conducted, and the property of the Company disposed of, and of hearing any explanation that may be given by the Liquidator.

I am,

Your obedient servant

W. A. Manly

Lombard
6, Lombard Street, E.C.
London, September 5th 1882

J. A. Edison Esq

Dear Sir,

I am in receipt of your favour of 15th ult. enclosing me dividend warrant on three United Telephone Shares. These shares were left standing in your name, as I delivered the balance of your a/c from my own shares. The whole of your shares were sold & accounted for in my last statement

Yours truly
W. H. Wood

Lombard
6, Lombard Street, E.C.
London, September 5th 1882

J. A. Edison Esq
Menlo Park
New Jersey

Dear Edison,

Oriental Telephone

Resshaw is asking me for the original agreement dated 17th Jan'y 1880 as to the Australian Royalties which he says is in your possession - Will you kindly send it over without delay to base
Yours truly
W. H. Wood

19

~~6. Lombard Street~~
London, E.C. Sept. 7th 1882

J. A. Edison Esq
Menlo Park
New Jersey

Dear Sir, Oriental Telephone

Referring to my letter
of 5th instant I find that
I already have the original
agreement between yourself
and the Western Electric
Manufacturing Company.
Apologising for troubling you

Yours truly
~~W. S. ...~~

6, Lombard Street,
London, E.C. 4, September 7th 1882

Dear Edison,

I have just returned from the Continent for a few days and have received your cable re Handford's ops - I have seen him and arranged with him to meet the same. This I will do and charge the amount to the proceeds of the Telephone Supply Company that will be shortly coming to you - This Company you will remember was formed to take over a contract for the purchase of 6000 telephones,

entered into in connection with the Oriental Telephone Company in 1880. I am now happy to say that after protracted negotiations with the United & Consolidated Company I have made an arrangement whereby we are all relieved of all liability in the matter, on the following basis - The United Company pay to the Consolidated Company £5000, - The Telephone Supply Company forfeits £1800 & pays £250, also to the Consolidated Company & immediately goes into liquidation - This liquidation will be carried out during this or the

next month when the
balance of your subscription
will be returned & all
Yr. Obedt. Servant
Yours very truly
Wm. M. L.

\$45,000 Def. Adm.
Let's do this it will
be necessary to get
them quoted, to
do that it is necessary
that they be more
generally distributed
among the public, in
the country & that
there be dealings
in them in the stock
exchange. You &
I are the largest
holders & what we do
will probably be
satisfactory to the
other holders. I think

if we agree to sell
all or ^{the} half of ours
at from 107 to 108
Ct. I can get up a
syndicate among the
jobbers in the town
to work the market.
Say 1/2 of the whole
45,000 at 107 Ct.
given with options
on the balance for
say 3 months at
107. If you are
willing to do this
please sign the
enclosed & return
promptly cabling me



19

Sept 28 1882

Winnipeg

that you have done
so - The best Oriental
will answer or that
you prefer to sell
all of yours (what
I do not advise) at
the 10% Co. that
may be possible.
If you would like
my share in the
franchise I can
arrange that for
you as I shall be
able to put the thing
through like some

part of the franchise
myself. Matters
are in contemplation of
this kind our share
with Winnie's mistake
for some time to
come. If you have
decided up yr. share
please communicate
this proposal to the
present holder - &
let me hear from
you promptly as
these things have to
be done when they
can. & I believe it
can be done now
from the office?

have put out.
Of course it can only
be done when the
paragons shares
are at a premium
or they are even.
They were at the
same price some
before I fell back
to 25% discount
on the 10% paid.

It has been found
that you desire to
take any share in the
proposed plan to
Mr. Wilson to what extent.

I congratulate you
on the opening of
the new Co.

I am afraid from
all I hear that
London is not pro-
gressing much -

Private

Enclosure

6, Lombard Street, E.C.

London, September 15th 1882

24 Johnson Road.

Dear Sir

The Oriental Telephone Company have sold their rights in Bombay to a Bombay company for £30,000 Cash £20,000 shares, the latter deferred to 8% on £40,000 of shares issued to the public, to provide for the £30,000 paid us, and the £10,000 remaining as working Capital. On this, and the possibilities thus indicated that other similar local companies may be formed, the shares of the Oriental Co. have somewhat advanced. Of negotiations now pending for the formation of a Calcutta company come to a satisfactory conclusion, it may be possible to make a market for our £75,000 deferred shares; but to do this it will be necessary to get them quoted. Do do that it is necessary that they be more generally distributed among the public, and that there be dealings in them on the Stock Exchange. I think if we agree to sell all or any half of ours at from 10/- to 20/- each I can get up a syndicate among the jobbers in the House to work the market

day 1/2 of the whole £75,000 at 10/- each firm with options on the balance for any 3 months at 20/- If you are willing to do this please sign the enclosed and return promptly. If you would like any share in the Syndicate I can arrange that for you as I shall in order to put the thing through take some part in it myself. Unless we do something of this kind our shares will remain unsaleable for some time to come. Let me hear from you promptly as these things have to be done when they can, and I believe it can be done now from the feelings I have put out. Of course it can only be done when the preference shares are at a premium as they are now. They were at this price once before but subsequently fell back to a discount.

Yours faithfully,

W. Howard

P.S.

Several of the shareholders have already signified their adherence to the above scheme

I hereby covenant for myself my heirs successors administrators
or assigns to sell and deliver to George Edward Gouraud of no 6.
Lombard Street in the City of London England, his heirs administrators
successors or assigns ⁵ shares of the Oriental Telephone
Company Limited (Vendor's issue) at Ten shillings sterling per
share payable cash on delivery of duly executed transfer
accompanied by the Share Certificate.

And in further consideration for the paid purchase, I agree
to deliver to the said George Edward Gouraud his heirs
successors administrators or assigns any time within ninety
days from the date of the above named payment further
shares of the same description at 20/- (twenty shillings)
sterling per share, to be paid for in cash on delivery of duly
executed transfers accompanied by the share Certificate.

1108
1108

Sept 18.52

Command

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|--|--|
| <p><i>[Faint handwritten notes, possibly describing a location or event]</i></p> | <p><i>[Faint handwritten notes, possibly describing a location or event]</i></p> |
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DREXEL MORGAN & CO.
Wall St Corner Broad.
New York.
DREXEL & CO.
Philadelphia.
DREXEL HARRIS & CO.
Paris.

New York Sept 27th 1882

T. A. Edison Esq.
65 5th Avenue.
City.

Dear Sir.

In reply to your inquiry in
reference to Oriental Telephone Shares, we would
say that we have today received the
following cable from Messrs J. S. Morgan & Co.
"Go market for Telephone outside
"share immediately in connection
"with Company."

Yours truly,

Drummond

I would thank you
for your favour of 27th inst
with reference to Oriental Telephone Shares
~~and being to hand and~~
to thank you for
the trouble you have taken
in the matter. Please let me
have a copy note of the cable

RECEIVED
OCT 31 1882
ANSWERED

6, Lombard Street, E.C.

London, October 19th 1882

J. A. Edison
87, Old Broad Street
65, Fifth Avenue, New York.

My dear Edison,

I duly received your cable:—

"Will accept fifteen shillings cash for all our Oriental telephones. Edison Johnson", which I did not answer per cable as I had nothing to report, & meanwhile have been endeavouring to see what I could do. The best offer that has come under my notice was 7/6 per share, while I have now an option on several thousand shares @ 7¹/₂, but with which I have not been able to do anything, as lately there have been several lots of these shares pressing for sale.

Referring to my former proposition, which I presume, resulted in your cabling me as above, I would say that everybody heard from, with one exception, has much approved of my suggestion. Of course I do not know whether it can be carried out — I feel rather more doubtful of it now than at the time of making it — but it will be useless for me to undertake to do anything unless

The Oriental Telephone Company Limited.

NOTICE IS HEREBY GIVEN, that an EXTRAORDINARY GENERAL MEETING of the Members of the above Company will be held at the CITY TERMINUS HOTEL, Cannon Street, London, on MONDAY, the 13th day of NOVEMBER, 1882, at 12 o'clock, at Noon, for the purpose of considering and, if thought advisable, passing the following Resolutions; namely:—

1. That this Company hereby approve, ratify, and confirm an Agreement dated the 8th of August, 1882, and made between Clement Davidson Leggatt, as the Agent of this Company in India, of the one part, and John Grey Russell, as the Trustee for and on behalf of a Company then about to be formed and incorporated under the name of "The Bombay Telephone Company Limited," of the other part, whereby it has been agreed, subject to confirmation by this Company, to sell the business, goodwill, plant, and property of this Company in the Bombay Presidency, Scinde, and Hyderabad, Deccan, to the said "Bombay Telephone Company Limited;" and do hereby authorize and require the Directors of this Company to carry such Agreement into effect, either with or without any modification, or new terms which they may agree to on behalf of this Company.

2. That the clause or sub-section marked (c) contained in the 60th of the Company's Articles of Association be repealed, and that, in lieu thereof, the following shall henceforth stand and be the clause or sub-section marked (c) contained in the said 60th Article; that is to say:—

"(c) They may of their own authority sell all, or any part, of the "business, goodwill, patents or patent rights, and property of the "Company, or the business, goodwill, patents or patent rights, and "property appropriated for, or appertaining to, any branch of the "Company's business, either wholly or partially, for cash or for "shares, debentures, or other interests in any Company or "Corporation, or to any person or persons; and if deemed expedient, "the Directors may hold or (so that the capital of the Company be "not thereby reduced) distribute in specie among the Members in "proportion to their holdings, or otherwise deal with such shares, "debentures, or other interests."

Should the above Resolution, numbered 2, be passed by the required majority, it will be submitted for confirmation as a Special Resolution to a Second Extraordinary General Meeting of the Company which will be subsequently convened.

Dated the 3rd day of November, 1882.

By order of the Board,

W. G. HALL,

Secretary.

I,

of

in the county of

being a Member of the ORIENTAL TELEPHONE COMPANY, LIMITED, hereby appoint JOHN FENDER, Esq., M.P., (being likewise a Member of the Company), and him falling, PATRICK CARNEGIE, Esq., C.I.E., (being likewise a Member of the Company), and him falling, Sir ALEXANDER ARMSTRONG, K.C.B., (being likewise a Member of the Company), to act as my Proxy at the Extraordinary General Meeting of the Company, to be held on the 13th day of November, 1882, and at any adjournment thereof.



AS WITNESS my hand this day of November, 1882.

Signature

This Proxy to be of use must be returned so as to reach the Company's Office not later than the 10th November, 1882.

The Oriental Telephone Company, Limited.

No. 61

9, GREAT WINCHESTER STREET,

LONDON, E.C., 18TH NOVEMBER, 1889.

Y. A. Edison

DEAR SIR

In the final settlement with the vendors, as was explained by the Chairman at the Extraordinary General Meeting held on the 13th instant, a reduction was made in the purchase money. Under the original contracts, and as stated in the prospectus this was fixed at £50,000 in cash and £100,000 in shares, but the Vendors have been paid in settlement £40,000 in cash and £75,000 in shares, thus leaving 25,000 unissued shares in the hands of the Directors.

The Chairman further explained that these being original shares of the Company, the Directors had power to issue them on such terms as they might, in the interest of the Company, think fit.

It has been resolved to offer 20,000 of the shares above referred to, to the Shareholders on the register at this date, in the proportion of one share for every 14 already held. The shares are of the nominal value of £1 each, and the price of issue will be 12s. 6d. per Share, representing 10s. to be called up on the share, and 2s. 6d. premium. The shares will rank for dividend *pari passu* with the other shares of the Company on which 10s. has been called and paid. No fractions of a share can be allotted.

As the registered holder of 1100 shares, you are entitled to an allotment of 814 shares, or such less number as you may determine. Should you desire to avail yourself of this offer, kindly fill up the enclosed Form No. 1 and hand it to the Company's Bankers, Messrs. Smith, Payne & Smiths, of 1, Lombard Street, London, E.C., together with your cheque (at the rate of 12s. 6d. per share) for such number of shares as you may agree to take up. You may, if you desire, apply for a greater number of shares than that to which you are properly entitled, and your application for that additional number will then be considered, if all those offered in the first instance be not applied for.

If you do not desire to take up any of the shares, kindly fill in Form No. 2 and return it to me, or should you desire to renounce the shares in favor of anyone else please have Form No. 3 filled in, and should I have no reply from you before the 27th instant, I shall assume that you do not wish to take up your proportion of shares.

Any of these shares which may not be taken up by shareholders will be allotted at the discretion of the Directors.

An application will be made to the Stock Exchange to extend the present quotation in the Official List so as to include these shares.

I am, Dear Sir,

Your obedient Servant,

W. G. HALL,

Secretary.

No. _____

Form No. 1.

ORIENTAL TELEPHONE COMPANY, Limited.

ISSUE of 20,000 ORDINARY SHARES of £1 Each, 10s. PAID.

APPLICATION FORM.

To be retained by the Bankers.

To the SECRETARY,

ORIENTAL TELEPHONE COMPANY, LIMITED,

5, GREAT WINCHESTER STREET, F.C.

SIR,

In reply to your letter of the 18th instant, I have paid to the Company's Bankers, MESSRS. SMITH, PAYNE & SMITHS, 1, Lombard Street, London, E.C., the sum of _____ being a payment of 12s. 6d. per Share on application for _____ Shares (of the nominal value of £1 each, 10s. paid), in your Company, referred to in your letter of the 18th inst., and I agree to accept the said Shares, or such less number as you may allot me, subject to the Memorandum and Articles of Association of the Company.

I am Sir,

Your obedient Servant,

Signature _____

Name (in full) _____

Address _____

Description or Occupation _____

Date _____ 1882.

THIS FORM IS TO BE PRESENTED ENTIRE TO THE COMPANY'S BANKERS.

ORIENTAL TELEPHONE COMPANY, Limited.

ISSUE of 20,000 ORDINARY SHARES of £1 Each, 10s. PAID.

BANKER'S RECEIPT.

To be retained by the Applicant.

Received of _____

this _____ day of _____ 1882, the sum of _____ being a payment at the rate of 12s. 6d. per Share on application for _____ Shares in the above Company.

FOR SMITH PAYNE & SMITHS,

STAMP.

No. _____

Form No. 3.

ORIENTAL TELEPHONE COMPANY, Limited.

ISSUE of 20,000 ORDINARY SHARES of £1 Each, 10s. PAID.

RENUNCIATION AND APPLICATION FORM.

To be retained by the Bankers.

To the SECRETARY,

ORIENTAL TELEPHONE COMPANY, LIMITED,
5, GREAT WINCHESTER STREET, LONDON, E.C. 4.

Sir,

I hereby renounce my right to _____ shares in this undertaking, offered to me by your letter of 18th November, 1882, in favor of _____

I am, Sir,

Your obedient Servant,

NOTE.—A 14.
Receipt must
be affixed to this
Form at the time
of signature.

Signature _____

Address _____

Profession or Business _____

Date _____ 1882.

I, the above named _____, agree to accept the said _____ shares in THE ORIENTAL TELEPHONE COMPANY, LIMITED, subject to the Memorandum and Articles of Association of the Company, and I have paid to MESSRS. SMITH, PAYNE & SMITHS, of 1, Lombard Street, London, the sum of _____ being the amount due, at the rate of 12s. 6d. per Share, in respect of the said _____ Shares.

I am, Sir,

Your obedient Servant,

Signature _____

Name (in full) _____

Address _____

Description or Occupation _____

Date _____ 1882.

THIS FORM IS TO BE PRESENTED ENTIRE TO THE COMPANY'S BANKERS.

ORIENTAL TELEPHONE COMPANY, Limited.

ISSUE of 20,000 ORDINARY SHARES of £1 Each, 10s. PAID.

BANKER'S RECEIPT.

To be retained by the Applicant.

Received of _____

this _____ day of _____ 1882, the sum of _____ being a payment at the rate of 12s. 6d. per Share on application for _____ Shares in the above Company.

For SMITH PAYNE & SMITHS,

STAMP.

5 : :

Oriental Telephone Company Limited,
3, Great Winchester Street, E.C.

Thomas A. Edison Esq.
New York

London, 20th November 1882

Dear Sir, you are aware that under the Articles of Association of the Company a Director is disqualified should he be absent from the board meetings continuously without formal consent of the board. - This happened in your case, & your re-election stood over until my return from the United States. - I now have the pleasure to inform you that at last meeting of the Directors you were unanimously re-elected to a seat, the board in common with many of the shareholders being very desirous of retaining the benefit of a connection with a gentleman like yourself to whom the world owes so much in a scientific point of view. I shall be glad to hear from you that you accept the seat.

I send you herewith copy of the "Chronicle" which contains a full report of the proceedings at our Extraordinary General Meeting held on the 13th inst. which will inform you fully of all that has taken place in connection with the business of the Company, and which I trust may prove satisfactory to you.

Awaiting your reply

Yours Dear Sir,
Yours faithfully
Wm Under Chairman

DREXEL MORGAN & CO.
West St Corner Broad.
New York.
DREXEL & CO.
7th and Arch.
Philadelphia.
DREXEL HARRIS & CO.
Paris.

New York Dec 5 1882

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Thos A. Edison Esq
65 5th Ave
City

Dear Sir
We are in receipt of your favor
of the 7th inst and have written Messrs
J.P. Morgan & Co in regard to the Oriental
Telephone Co shares as requested.
They will of course be forwarded
at your risk.

Yours truly
Drexel Morgan

St. James Hotel.

Dec. 15/82.

Dear Mr. Inshall.

Can you trace for me what
has become of the orig^l of the Agreement between
Mr. Edison & the Western Electric Co? The Oriental
Co sh^d hold it. Kindly say when you send
me copy cable sent, to day, to Australia.

Yours truly,
A. B. Adams

St James Hotel
Dec 21st/82

Dear Mr Insull

Could you give
me a call here tomorrow
morning by ten a.m.

I want to see you on the
subject of 2 letters I have
rec'd. from London & I called
on you today & 4 'day but
did not find you - I
go to Boston tomorrow by

11. train

Yours respectfully
Al. R. M. New

Dec 22nd '82

Dear Mr Inull:

Mr Edison
says that the Agreement
with the West. Electric
Co of which you sent
me copy this morn is
void because they
have not complied
with the conditions
of that Agreement.

I think so too -
I so advised the
Orental Board

If this be as it
follows that Mr.

Edison's Patents
revert to him &
through him to the
Oriental Co - W?
it not therefore be
well to supplement
your cable of the
other day by
another such as
this " you must

To Noel (Australia)
Tell Masters all Telephone
Patents ~~should~~ be assigned
at once to ~~my name~~ ^{you} ~~United~~
~~C~~

Assign all
Telephone Patents
to me"
as to the Julius
"Tell Masters I
claim assignment
~~of~~ ^{telephone} my patents to
ground Kerch contract

John C
A. J. N.

Oriental Telephone Company, Limited,
3, Great Winchester Street, E.C.
London, E.C. 2. Dec^r. 1882.

Thomas A. Edison Esq^r
65 Fifth Avenue
New York.

Dear Sir, I have the pleasure to acknowledge
your letter of 5th inst. addressed to the
Chairman intimating your acceptance
of a seat in the Board of this Company
and I thank you on the Chairmans
behalf for the courteous terms of your
letter.

The Board has placed a resolution on
record granting you absence for one
year which can be renewed, if need
be, on the expiry of that term.

Wishing you all the compliments
of the season.

I am Dear Sir
Yours faithfully
W. Halliday

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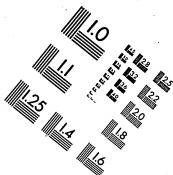
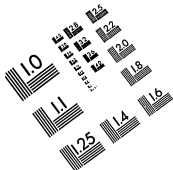
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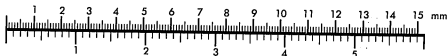


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